



Embassy of the United States of America

Tokyo, Japan

May 12, 2021

Dear Prospective Offerors:

Subject: Request for Quotations Number 19JA80-21-Q-0529
Fan Coil Unit Replacement Services

The Embassy of the United States of America seeks to enter into a contract with a qualified, responsible, and reliable firm with sufficient knowledge and facilities for replacement services of fan coil unit for Auto Repair Shop at the U.S. Embassy Tokyo in Japan.

Note: As required by U.S. Government's federal acquisition regulation (FAR), prospective offeror shall be registered in the System for Award Management (SAM) database prior to award of a contract. The website link providing additional vendor registration information is: <https://www.sam.gov/SAM/>.

If you are interested in submitting a quote on this project, follow the instructions in Section J of the Request for Quotations (RFQ), complete the required portions of the enclosed document, and submit as the indicated shown on the next page.

1. Pre-quotation Conference and Site Visit

(a) To provide all the quoters with a uniform explanation of requirements, the Embassy will hold a pre-quotation conference and site visit, as follows:

Date: Tuesday, May 20, 2021
Time: From 10:00 a.m. to on/about 11:30 a.m.
Location: Meet at in front of Reception Area of U.S. Embassy
1-10-5 Akasaka, Minato-ku, Tokyo 107-8420

(b) All interested quoters who wish to attend must submit individual name (s), limited to two persons per company, company name/address, telephone/fax numbers, and email address to Masao Chuma via email at ChumaMX@state.gov by no later than 12:00 noon, Tuesday, May 18, 2021 (JST), to arrange entry to the Embassy.

(c) Attendee(s) must present an identification (ID) card with photo on it (e.g. driver's license, passport, etc.) as it is required for entering the building.

(d) Please note that PCs, electronic measuring equipment, cameras, and any kinds of electronic device are not allowed to bring for this meeting.

(e) Bringing laptop PC into the Embassy building is prohibited. Therefore, do NOT bring a PC along with you as the Embassy guards are not allowed to hold it on behalf of you.

(f) Photography is NOT ALLOWED. Embassy will provide approved photos on webpage when request arise.

(g) Performance Bond is required. See subsection G.1 of the RFQ.

2. Questions

Following the conference, quoters may submit questions (in English) in regard to this RFQ by 3:00 p.m., Friday, May 21, 2021 (JST) via email at ChumaMX@state.gov. All questions will be consolidated and one response will be prepared and posted on the Embassy's website, the same website from where you obtained the solicitation documents.

3. Quotations

Quotations must be received by no later than **12:00 noon, Friday, May 28, 2021 (JST)** to Masao Chuma of U.S. Embassy Tokyo, **via email** to the indicated below. No quotation will be accepted after this time.

Point of Contact: Masao Chuma
Email: ChumaMX@state.gov
Subject: RFQ 19JA80-21-Q-0529

Mobile: 090-1110-9306
Embassy Telephone Operator: 03-3224-5000

Note: After submission of quotation, quoter shall contact Masao Chuma by phone or a separate email to confirm the receipt of quotation.

It is understood that no payment will be made for preparation and submission of your quotation.

Thank you in advance for your interest and your time in participating in the request for quotations process.

Sincerely,



Darin A. Phaovisaid
Contracting Officer

Enclosure:

Request for Quotations 19JA80-21-Q-0529

REQUEST FOR QUOTATIONS (RFQ) (THIS IS NOT AN ORDER)			THIS RFQ [] IS [x] IS NOT A SMALL BUSINESS- SMALL PURCHASE SET-ASIDE (52.219-4)			PAGE 1	OF 1	PAGES 42
1. REQUEST NO. 19JA80-21-Q-0529		2. DATE ISSUED May 12, 2021		3. REQUISITION/PURCHASE REQUEST NO. PR9781682		4. CERT. FOR NAT. DEF. UNDER BDSA REG. 2 AND/OR DMS REG. 1		RATING
5A. ISSUED BY GSO/Procurement Unit U.S. Embassy 1-10-5 Akasaka Minato-ku, Tokyo 107-8420 Japan						6. DELIVER BY (Date)		
5B. FOR INFORMATION CALL: (Name and telephone no.) (No collect calls)						7. DELIVERY X FOB DESTINATION OTHER (See Schedule)		
NAME Masao Chuma				TELEPHONE NUMBER				
				AREA CODE +81-3		NUMBER 3224-5752		
8. TO:						9. DESTINATION		
a. NAME			b. COMPANY			a. NAME OF CONSIGNEE		
c. STREET ADDRESS						b. STREET ADDRESS		
d. CITY			e. STATE		f. ZIP CODE		c. CITY	
							d. STATE	e. ZIP CODE
10. PLEASE FURNISH QUOTATIONS TO THE ISSUING OFFICE IN BLOCK 5A ON OR BEFORE: May 28, 2021; 12:00 noon (JST)			IMPORTANT: This is a request for information, and quotations furnished are not offers. If you are unable to quote, please so indicate on this form and return it to the address in Block 5A. This request does not commit the Government to pay any costs incurred in the preparation of the submission of this quotation or to contract for supplies or services. Supplies are of domestic origin unless otherwise indicated by quoter. Any representations and/or certifications attached to this Request for Quotations must be completed by the quoter					
11. SCHEDULE (Include applicable Federal, State and local taxes)								
ITEM NO. (a)	SUPPLIES/SERVICES (b)				QUANTITY (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)
001	Fan Coil Unit Replacement Services for Auto Repair Shop at the U.S. Embassy in Tokyo, Japan, in accordance with attached terms and conditions of the Request for Quotations. This RFQ incorporates FAR clause 52.212-4 and provision 52.212-1 by reference.				(See the pricing table - Section A: Price.)			
1 DISCOUNT FOR PROMPT PAYMENT			a. 10 CALENDAR DAYS %	b. 20 CALENDAR DAYS %	c. 30 CALENDAR DAYS %	d. CALENDAR DAYS NUMBER %		
NOTE: Additional provisions and representations [✓] are [] are not attached.								
13 NAME AND ADDRESS OF QUOTER a. NAME and ADDRESS OF QUOTER (COMPANY) DUNS No.:				14 SIGNATURE OF PERSON AUTHORIZED TO SIGN QUOTATION			15 DATE OF QUOTATION	
c. COUNTY				16. SIGNER a. NAME (Type or print)			b. TELEPHONE	
d. CITY	e. STATE	f. ZIP CODE	c. TITLE (Type or print)			AREA CODE NUMBER		
AUTHORIZED FOR LOCAL REPRODUCTION Previous edition not usable						STANDARD FORM 18 (Rev. 6-95) Prescribed by GSA-FAR (48 CFR) 53.215-1(a)		

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Section A: Price

A.1 The Contractor shall complete all work, including furnishing all labor, material, equipment and services required under this purchase order for the following firm fixed price and within the time specified. This price shall include all labor, materials, all insurances, overhead, and profit.

Total Price: _____

Note: The U.S. Embassy Tokyo is exempt from Japanese consumption taxes; therefore, such taxes shall not be included in the price nor charged on invoices. After receipt of the Contractor's invoice, the Government will provide the Contractor with a signed Certificate of Tax Exemption Purchase for Foreign Establishments.

(For non-Designated Stores, please visit the following link for registration:

https://www.mofa.go.jp/mofaj/ms/po/page22_003420.html (Japanese)

https://www.mofa.go.jp/ms/po/page22e_000946.html (English))

A.2 Offers and Payment in U.S. dollars: U.S. firms are eligible to be paid in U.S. dollars. U.S. firms desiring to be paid in U.S. dollars should submit their offers in U.S. dollars. A U.S. firm is defined as a company which operates as a corporation incorporated under the laws of a state within the United States.

Foreign firms: Any firm, which is not a U.S. firm, is a foreign firm. Any firm that does not meet the above definition of U.S. firm shall submit its prices and receive payment in Japanese Yen.

Section B: Statement of Work

B.1 The Contractor shall furnish and install all materials required by this purchase order. The Statement of work is set forth in Section I as Attachment I-1, the Floor Plan is set forth in Section I as Attachment I-2, YORK FCU Catalog is set forth in Section I-3, and DELTA FCU Thermostat and Controller Diagram is set forth in Section I-4.

B.2 In case of differences between small and large-scale drawings, the latter will govern. Where a portion of the work is drawn in detail and the remainder of the work is indicated in outline, the parts drawn in detail shall apply also to all other portions of the work.

Section C: Packaging and Marking

The Contractor shall mark materials delivered to the site as follows:

U.S. Embassy Tokyo
Attn: Facility Management Office
1-10-5 Akasaka
Minato-ku, Tokyo 107-8420
Japan

Section D: Inspection and Acceptance

The COR, or his/her authorized representatives, will inspect from time to time the services being performed and the supplies furnished to determine whether work is being performed in a satisfactory manner, and that all supplies are of acceptable quality and standards.

The Contractor shall be responsible for any countermeasures or corrective action, within the scope of this contract, which may be required by the Contracting Officer as a result of such inspection.

D.1 Substantial Completion

(a) "Substantial Completion" means the stage in the progress of the work as determined and certified by the Contracting Officer in writing to the Contractor, on which the work (or a portion designated by the Government) is sufficiently complete and satisfactory. Substantial completion means that the property may be occupied or used for the purpose for which it is intended, and only minor items such as touch-up, adjustments, and minor replacements or installations remain to be completed or corrected which:

- (1) do not interfere with the intended occupancy or utilization of the work, and
- (2) can be completed or corrected within the time period required for final completion.

(b) The "date of substantial completion" means the date determined by the Contracting Officer or authorized Government representative as of which substantial completion of the work has been achieved.

Use and Possession upon Substantial Completion - The Government shall have the right to take possession of and use the work upon substantial completion. Upon notice by the Contractor that the work is substantially complete (a Request for Substantial Completion) and an inspection by the Contracting Officer or an authorized Government representative (including any required tests), the Contracting Officer shall furnish the Contractor a Certificate of Substantial Completion. The certificate will be accompanied by a Schedule of Defects listing items of work remaining to be performed, completed or corrected before final completion and acceptance. Failure of the Contracting Officer to list any item of work shall not relieve the Contractor of responsibility for complying with the terms of the contract. The Government's possession or use upon substantial completion shall not be deemed an acceptance of any work under the contract.

D.2 Final Completion and Acceptance

(a) "Final completion and acceptance" means the stage in the progress of the work as determined by the Contracting Officer and confirmed in writing to the Contractor, at which all work required under the contract has been completed in a satisfactory manner, subject to the discovery of defects after final completion, and except for items specifically excluded in the notice of final acceptance.

(b) The "date of final completion and acceptance" means the date determined by the Contracting Officer when final completion of the work has been achieved, as indicated by written notice to the Contractor.

(c) Final Inspection and Tests. The Contractor shall give the Contracting Officer at least five days advance written notice of the date when the work will be fully completed and ready for final inspection and tests. Final inspection and tests will be started not later than the date specified in the notice unless the Contracting Officer determines that the work is not ready for final inspection and so informs the Contractor.

(d) Final Acceptance. If the Contracting Officer is satisfied that the work under the contract is complete (with the exception of continuing obligations), the Contracting Officer shall issue to the Contractor a notice of final acceptance and make final payment upon:

- (1) Satisfactory completion of all required tests,
- (2) A final inspection that all items by the Contracting Officer listed in the Schedule of Defects have been completed or corrected and that the work is finally complete (subject to the discovery of defects after final completion), and
- (3) Submittal by the Contractor of all documents and other items required upon completion of the work, including a final request for payment (Request for Final Acceptance).

Section E: Deliveries or Performance

E.1 FAR 52.211-10 Commencement, Prosecution, and Completion of Work (APR 1984)

The Contractor shall be required to:

- (a) commence work under this contract from the date specified on the Notice to Proceed (NTP),
- (b) prosecute the work diligently, and,
- (c) complete the entire work in 7 working days after commencement of the work, including fabrication.

The time stated for completion shall include final cleanup of the premises.

E.2 FAR 52.211-12 Liquidated Damages - Construction (SEPT 2000)

- (a) If the Contractor fails to complete the work within the time specified in the contract, or any extension, the Contractor shall pay liquidated damages to the U.S. Government in the amount of ¥30,000 JPY for each calendar day of delay until the work is completed or accepted.
- (b) If the Government terminates the Contractor's right to proceed, liquidated damages will continue to accrue until the work is completed. These liquidated damages are in addition to excess costs of repurchase under the Default clause.

E.3 Contractor's Submission of Construction Schedules

- (a) The time for submission of the schedules referenced in FAR 52.236-15, "Schedules for Construction Contracts", paragraph (a), is hereby modified to reflect the due date for submission as "10 calendar days after receipt of an executed contract."
- (b) These schedules shall include the time by which shop drawings, product data, samples and other submittals required by the contract will be submitted for approval.
- (c) The Contractor shall revise such schedules (1) to account for the actual progress of the work, (2) to reflect approved adjustments in the performance schedule, and (3) as required by the Contracting Officer to achieve coordination with work by the Government and any separate contractors used by the Government. The Contractor shall submit a schedule, which sequences work so as to minimize disruption at the job site.

(d) All deliverables shall be in the English language and any system of dimensions (English or metric) shown shall be consistent with that used in the contract. No extension of time shall be allowed due to delay by the Government in approving such deliverables if the Contractor has failed to act promptly and responsively in submitting its deliverables. The Contractor shall identify each deliverable as required by the contract.

(e) Acceptance of Schedule: When the Government has accepted any time schedule; it shall be binding upon the Contractor. The completion date is fixed and may be extended only by a written contract modification signed by the Contracting Officer. Acceptance or approval of any schedule or revision thereof by the Government shall not:

- (1) Extend the completion date or obligate the Government to do so,
- (2) Constitute acceptance or approval of any delay, or
- (3) Excuse the Contractor from or relieve the Contractor of its obligation to maintain the progress of the work and achieve final completion by the established completion date.

E.4 Notice of Delay

If the Contractor receives a notice of any change in the work, or if any other conditions arise which are likely to cause or are actually causing delays which the Contractor believes may result in late completion of the project, the Contractor shall notify the Contracting Officer. The Contractor's notice shall state the effect, if any, of such change or other conditions upon the approved schedule, and shall state in what respects, if any, the relevant schedule or the completion date should be revised. The Contractor shall give such notice promptly, not more than ten (10) days after the first event giving rise to the delay or prospective delay. Only the Contracting Officer may make revisions to the approved time schedule.

E.5 Notice to Proceed

(a) After receiving and accepting any bonds or evidence of insurance, the Contracting Officer will provide the Contractor a Notice to Proceed. The Contractor must then prosecute the work, commencing and completing performance not later than the time period established in the contract.

(b) It is possible that the Contracting Officer may elect to issue the Notice to Proceed before receipt and acceptance of any bonds or evidence of insurance. Issuance of a Notice to Proceed by the Government before receipt of the required bonds or insurance

certificates or policies shall not be a waiver of the requirement to furnish these documents.

E.6 Working Hours

All work shall be performed during the hours between 08:30 - 17:30, Monday through Friday. Other hours, if requested by the Contractor, may be approved by the Contracting Officer's Representative (COR). The Contractor shall give 24 hours in advance to COR who will consider any deviation from the hours identified above. Changes in work hours, initiated by the Contractor, will not be a cause for a price increase.

E.7 Preconstruction Conference

A preconstruction conference will be held 10 days after contract award at Facility Management Office, U.S. Embassy, located at 1-10-5 Akasaka, Minato-ku, Tokyo 107-8420, to discuss the schedule, submittals, notice to proceed, mobilization and other important issues that effect construction progress. See FAR 52.236-26, Preconstruction Conference.

E.8 Deliverables - The following items shall be delivered under this purchase order:

<u>Description</u>	<u>Qty.</u>	<u>Deliver Date</u>	<u>Deliver To</u>
Subsection D.2 Request for Substantial Completion	1	15 days before inspection	COR
Subsection D.3 Request for Final Acceptance	1	5 days before Inspection	COR
Subsection E.3 Construction Schedule	1	10 days after award	COR
Subsection E.7 Preconstruction Conference	1	10 days after award	COR
Subsection F.2 Payment Request	1	Last calendar day of each month	COR
Subsection G.1 Performance Bond	1	10 days after award	CO
Subsection G.2 Insurance	1	10 days after award	CO
Subsection G.5.3 RSO Tokyo Security Form	1	10 days after award	COR

Section F: Administrative Data

F.1 DOSAR 652.242-70 Contracting Officer's Representative (COR) (AUG 1999)

(a) The Contracting Officer may designate in writing one or more Government employees, by name or position title, to take action for the Contracting Officer under this contract. Each designee shall be identified as a Contracting Officer's Representative (COR). Such designation(s) shall specify the scope and limitations of the authority so delegated; provided, that the designee shall not change the terms or conditions of the contract, unless the COR is a warranted Contracting Officer and this authority is delegated in the designation.

(b) The COR for this contract is Maintenance Supervisor of Facility Management Office at the U.S. Embassy in Tokyo, Japan.

F.2 Payment

The Contractor's attention is directed to Section H, 52.232-5, "Payments under Fixed-Price Construction Contracts." The following elaborates on the information contained in that clause.

Requests for payment, may be made no more frequently than monthly. Payment requests shall cover the value of labor and materials completed and in place, including a prorated portion of overhead and profit.

After receipt of the Contractor's request for payment, and on the basis of an inspection of the work, the Contracting Officer shall make a determination as to the amount, which is then due. If the Contracting Officer does not approve payment of the full amount applied for, less the retainage allowed by in 52.232-5, the Contracting Officer shall advise the Contractor as to the reasons.

Under the authority of 52.232-27(a), the 14 day period identified in FAR 52.232-27(a)(1)(i)(A) is hereby changed to 30 days.

U.S. Embassy Tokyo
Attn: Financial Management Center (FMC)
(Invoice/PO# 19JA8021P0529)

The Contractor shall submit invoices electronically to
TokyoInvoices@state.gov.

Section G: Special Requirements

G.1 Performance/Payment Protection - The Contractor shall furnish some form of payment protection as described in [52.228-13](#) in the amount of 50% of the contract price; such as performance bond, irrevocable letters of credit, or bank guarantees (see Attachment I-6).

G.1.1 The Contractor shall provide the information required by the paragraph above within ten (10) calendar days after award. Failure to timely submit the required security may result in rescinding or termination of the contract by the Government. If the contract is terminated, the Contractor will be liable for those costs as described in FAR [52.249-10](#), Default (Fixed-Price Construction), which is included in this purchase order.

G.1.2 The bonds or alternate performance security shall guarantee the Contractor's execution and completion of the work within the contract time. This security shall also guarantee the correction of any defects after completion, the payment of all wages and other amounts payable by the Contractor under its subcontracts or for labor and materials, and the satisfaction or removal of any liens or encumbrances placed on the work.

G.1.3 The required securities shall remain in effect in the full amount required until final acceptance of the project by the Government. Upon final acceptance, the penal sum of the performance security shall be reduced to 10% of the contract price. The security shall remain in effect for one year after the date of final completion and acceptance, and the Contractor shall pay any premium required for the entire period of coverage.

G.2 Insurance

G.2.1 Amount of Insurance. The Contractor is required by FAR [52.228-5](#) to provide whatever insurance is legally necessary. The Contractor, shall, at its own expense, provide and maintain during the entire performance period the following insurance amounts:

General Liability (includes premises/operations, collapse hazard, products, completed operations, contractual, independent contractors, broad form property damage, personal injury)

(a) Bodily Injury on or off the site stated in Japanese Yen:

Per Occurrence	¥30,000,000
Cumulative	¥90,000,000

(b) Property Damage on or off the site in Japanese Yen:

Per Occurrence	¥3,000,000
Cumulative	¥9,000,000

G.2.2 The foregoing types and amounts of insurance are the minimums required. The Contractor shall obtain any other types of insurance required by local law or that are ordinarily or customarily obtained in the location of the work. The limit of such insurance shall be as provided by law or sufficient to meet normal and customary claims.

G.2.3 The Contractor agrees that the Government shall not be responsible for personal injuries or for damages to any property of the Contractor, its officers, agents, servants, and employees, or any other person, arising from and incident to the Contractor's performance of this contract. The Contractor shall hold harmless and indemnify the Government from any and all claims arising therefrom, except in the instance of gross negligence on the part of the Government.

G.2.4 The Contractor shall obtain adequate insurance for damage to, or theft of, materials and equipment in insurance coverage for loose transit to the site or in storage on or off the site.

G.2.5 The general liability policy required of the Contractor shall name "the United States of America, acting by and through the Department of State", as an additional insured with respect to operations performed under this contract.

G.3 Document Descriptions

G.3.1 Supplemental Documents. The Contracting Officer shall furnish from time to time such detailed drawings and other information as is considered necessary, in the opinion of the Contracting Officer, to interpret, clarify, supplement, or correct inconsistencies, errors or omissions in the Contract documents, or to describe minor changes in the work not involving an increase in the contract price or extension of the contract time. The Contractor shall comply with the requirements of the supplemental documents, and unless prompt objection is made by the Contractor within 20 days, their issuance shall not provide for any claim for an increase in the Contract price or an extension of contract time.

(a) Record Documents. The Contractor shall maintain at the project site:

- (1) a current marked set of Contract drawings and specifications indicating all interpretations and clarification, contract modifications, change orders, or any other departure from the contract requirements approved by the Contracting Officer; and,
- (2) a complete set of record shop drawings, product data, samples and other submittals as approved by the Contracting Officer.

(b) "As-Built" Documents: After final completion of the work, but before final acceptance thereof, the Contractor shall provide:

- (1) a complete set of "as-built" drawings, based upon the record set of drawings, marked to show the details of construction as actually accomplished; and
- (2) record shop drawings and other submittals, in the number and form as required by the specifications.

G.4 Laws and Regulations

The Contractor shall, without additional expense to the Government, be responsible for complying with all laws, codes, ordinances, and regulations applicable to the performance of the work, including those of the host country, and with the lawful orders of any governmental authority having jurisdiction. Host country authorities may not enter the construction site without the permission of the Contracting Officer. Unless otherwise directed by the Contracting Officer, the Contractor shall comply with the more stringent of the requirements of such laws, regulations and orders and of the contract. In the event of a conflict between the contract and such laws, regulations and orders, the Contractor shall promptly advise the Contracting Officer of the conflict and of the Contractor's proposed course of action for resolution by the Contracting Officer.

G.4.1 The Contractor shall comply with all local labor laws, regulations, customs and practices pertaining to labor, safety, and similar matters, to the extent that such compliance is not inconsistent with the requirements of this contract.

G.4.2 The Contractor shall give written assurance to the Contracting Officer that all subcontractors and others performing work on or for the project have obtained all requisite licenses and permits.

G.4.3 The Contractor shall submit proper documentation and evidence satisfactory to the Contracting Officer of compliance with this clause.

G.5 Construction Personnel

G.5.1 The Contractor shall maintain discipline at the site and at all times take all reasonable precautions to prevent any unlawful, riotous, or disorderly conduct by or among those employed at the site. The Contractor shall ensure the preservation of peace and protection of persons and property in the neighborhood of the project against such action. The Contracting Officer may require, in writing that the Contractor remove from the work any employee that the Contracting Officer deems incompetent, careless, insubordinate or otherwise objectionable, or whose continued employment on the project is deemed by the Contracting Officer to be

contrary to the Government's interests.

G.5.2 If the Contractor has knowledge that any actual or potential labor dispute is delaying or threatens to delay the timely performance of this contract, the Contractor shall immediately give notice, including all relevant information, to the Contracting Officer.

G.5.3 After award of the contract, the Contractor has 10 calendar days to submit to the Contracting Officer a list of workers and supervisors assigned to this project for the Government to conduct all necessary security checks. It is anticipated that security checks will take 30 days to perform. Each individual shall complete and submit Regional Security Office (RSO) Tokyo Security Form (see Attachment I-5).

Failure to provide any of the above information may be considered grounds for rejection and/or resubmittal of the application. Once the Government has completed the security screening and approved the applicants a badge will be provided to the individual for access to the site. This badge may be revoked at any time due to the falsification of data, or misconduct on site.

G.5.4 The Contractor shall provide an English speaking supervisor on site at all times. This position is considered as key personnel under this purchase order.

G.6 Materials and Equipment

All materials and equipment incorporated into the work shall be new and for the purpose intended, unless otherwise specified. All workmanship shall be of good quality and performed in a skillful manner that will withstand inspection by the Contracting Officer.

G.7 Special Warranties

G.7.1 Any special warranties that may be required under the contract shall be subject to the stipulations set forth in [52.246-21](#), "Warranty of Construction", as long as they are not in conflict.

G.7.2 The Contractor shall obtain and furnish to the Government all information required to make any subcontractor's, manufacturer's, or supplier's guarantee or warranty legally binding and effective. The Contractor shall submit both the information and the guarantee or warranty to the Government in sufficient time to permit the Government to meet any time limit specified in the guarantee or warranty, but not later than completion and acceptance of all work under this contract.

G.8 Equitable Adjustments

Any circumstance for which the contract provides an equitable adjustment that causes a change within the meaning of paragraph (a) of the "Changes" clause shall be treated as a change under that clause; provided, that the Contractor gives the Contracting Officer prompt written notice (within 20 days) stating:

- (a) the date, circumstances, and applicable contract clause authorizing an equitable adjustment and
- (b) that the Contractor regards the event as a changed condition for which an equitable adjustment is allowed under the contract.

The Contractor shall provide written notice of a differing site condition within 10 calendar days of occurrence following FAR [52.236-2](#), Differing Site Conditions.

G.9 Zoning Approvals and Permits

The Government shall be responsible for:

- (a) obtaining proper zoning or other land use control approval for the project
- (b) obtaining the approval of the Contracting Drawings and Specifications
- (c) paying fees due for the foregoing; and,
- (d) for obtaining and paying for the initial building permits.

Section H. Clauses

H.1 This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this address: <http://www.acquisition.gov/far/>. Please note this address is subject to change.

If the Federal Acquisition Regulation (FAR) is not available at the locations indicated above, use the Department of State Acquisition website at <https://www.ecfr.gov/cgi-bin/text-idx?SID=2e978208d0d2aa44fb9502725ecac4e5&mc=true&tpl=/ecfrbrowse/TITLE48/48chapter6.tpl> to access links to the FAR. You may also use an internet "search engine" (for example, Google, Yahoo, Excite) to obtain the latest location of the most current FAR.

H.2 The following Federal Acquisition Regulation clause(s) is/are incorporated by reference (48 CFR CH. 1):

<u>Clause</u>	<u>Title and Date</u>
52.202-1	Definitions (JUN 2020)
52.203-17	Contractor Employee Whistleblower Rights and Requirement to Inform Employees of Whistleblower Rights (JUN 2020)
52.204-9	Personal Identity Verification of Contractor Personnel (JAN 2011)
52.204-10	Reporting Executive Compensation and First-Tier Subcontract Awards (JUN 2020)
52.204-13	System for Award Management Maintenance (OCT 2018)
52.204-18	Commercial and Government Entity Code Maintenance (AUG 2020)
52.204-19	Incorporation by Reference of Representations and Certifications (DEC 2014)
52.204-25	Prohibition on Contracting for Certain Telecommunication and Video Surveillance Services or Equipment (AUG 2020)
52.209-6	Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended or Proposed for Debarment (JUN 2020)
52.209-9	Updates of Publicly Available Information Regarding Responsibility Matters (OCT 2018)
52.213-4	Terms and Conditions-Simplified Acquisitions (Other than Commercial Items) (FEB 2021)
52.216-7	Allowable Cost and Payment (JUN 2013)
52.222-1	Notice to the Government of Labor Disputes (FEB 1997)
52.222-19	Child Labor - Cooperation with Authorities and Remedies (JAN 2018)
52.222-50	Combating Trafficking in Persons (OCT 2020)
52.223-18	Encouraging Contractor Policies to Ban Text Messaging While Driving (JUN 2020)
52.225-13	Restrictions on Certain Foreign Purchases (FEB 2021)

52.225-14 Inconsistency between English Version and Translation of Contract (FEB 2000)

52.228-3 Workers' Compensation Insurance (Defense Base Act) (JUL 2014)

52.228-4 Workers' Compensation and War-Hazard Insurance Overseas (APR 1984)

52.228-5 Insurance - Work on a Government Installation (JAN 1997)

52.228-11 Pledges of Assets (FEB 2021)

52.228-13 Alternative Payment Protection (JULY 2000)

52.228-14 Irrevocable Letter of Credit (NOV 2014)

52.228-15 Performance and Payment Bonds-Construction (JUN 2020)

52.229-6 Taxes - Foreign Fixed-Price Contracts (FEB 2013)

52.229-7 Taxes- Fixed Price Contracts with Foreign Governments (FEB 2013)

52.232-5 Payments under Fixed-Price Construction Contracts (MAY 2014)

52.232-8 Discounts for Prompt Payment (FEB 2002)

52.232-11 Extras (APR 1984)

52.232-18 Availability of Funds (APR 1984)

52.232-22 Limitation of Funds (APR 1984)

52.232-25 Prompt Payment (JULY 2013)

52.232-27 Prompt Payment for Construction Contracts (MAY 2014)

52.232-33 Payment by Electronic Funds Transfer - System for Award Management (OCT 2018)

52.232-34 Payment by Electronic Funds Transfer - Other than System for Award Management (JULY 2013)

52.233-1 Disputes (MAY 2014) *Alternate I (DEC 1991)*

52.233-3 Protest after Award (AUG 1996)

52.236-2 Differing Site Conditions (APR 1984)

52.236-3 Site Investigation and Conditions Affecting the Work (APR 1984)

52.236-5 Material and Workmanship (APR 1984)

52.236-6 Superintendence by the Contractor (APR 1984)

52.236-7 Permits and Responsibilities (NOV 1991)

52.236-8 Other Contracts (APR 1984)

52.236-9 Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements (APR 1984)

52.236-10 Operations and Storage Areas (APR 1984)

52.236-11 Use and Possession Prior to Completion (APR 1984)

52.236-12 Cleaning Up (APR 1984)

52.236-13 Accident Prevention (NOV 1991)

52.236-14 Availability and Use of Utility Services (APR 1984)

52.236-15 Schedules for Construction Contracts (APR 1984)

52.236-21 Specifications and Drawings for Construction (FEB 1997)

52.236-26 Preconstruction Conference (FEB 1995)

52.242-14 Suspension of Work (APR 1984)

52.243-4 Changes (JUN 2007)

52.243-5 Changes and Changed Conditions (APR 1984)

52.244-6 Subcontracts for Commercial Items (NOV 2020)

52.245-2 Government Property Installation Operation Services (APR 2012)

52.245-9 Use and Charges (APR 2012)
52.246-12 Inspection of Construction (AUG 1996)
52.246-17 Warranty of Supplies of a Noncomplex Nature (JUN 2003)
52.246-21 Warranty of Construction (MAR 1994)
52.246-26 Reporting Nonconforming Items (JUN 2020)
52.249-2 Termination for Convenience of the Government (Fixed-Price) (APR 2012)
52.249-10 Default (Fixed-Price Construction) (APR 1984)
52.249-14 Excusable Delays (APR 1984)

Add the following clauses incorporated in full text:

FAR 52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (AUG 2020)

(a) *Definitions.* As used in this clause—

Backhaul means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (e.g., connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (e.g., fiber optic, coaxial cable, Ethernet).

Covered foreign country means The People's Republic of China.

Covered telecommunications equipment or services means—

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Critical technology means-

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled-

(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

Interconnection arrangements means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (e.g., connection of a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

Reasonable inquiry means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

Roaming means cellular communications services (e.g., voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

Substantial or essential component means any component necessary for the proper function or performance of a piece of equipment, system, or service.

(b) *Prohibition.*

(1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR [4.2104](#).

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.

(c) *Exceptions.* This clause does not prohibit contractors from providing—

(1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) Reporting requirement.

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at <https://dibnet.dod.mil>. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at <https://dibnet.dod.mil>.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause

(i) Within one business day from the date of such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts*. The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

(End of clause)

H.3 The following Department of State Acquisition Regulation (DOSAR) clause(s) is/are set forth in full text:

652.204-70 Department of State Personal Identification Card Issuance Procedures (MAY 2011)

(a) The Contractor shall comply with the Department of State (DOS) Personal Identification Card Issuance Procedures for all employees performing under this contract who require frequent and continuing access to DOS facilities, or information systems. The Contractor shall insert this clause in all subcontracts when the subcontractor's employees will require frequent and continuing access to DOS facilities, or information systems.

(b) The DOS Personal Identification Card Issuance Procedures may be accessed at <http://www.state.gov/m/ds/rls/rpt/c21664.htm> .

652.229-71 Personal Property Disposition at Posts Abroad (AUG 1999)

Regulations at 22 CFR Part 136 require that U.S. Government employees and their families do not profit personally from sales or other transactions with persons who are not themselves entitled to exemption from import restrictions, duties, or taxes. Should the Contractor experience importation or tax privileges in a foreign country because of its contractual relationship to the United States Government, the Contractor shall observe the requirements of 22 CFR Part 136 and all policies, rules, and procedures issued by the chief of mission in that foreign country.

Contractor Identification (JULY 2008)

Contract performance may require contractor personnel to attend meetings with government personnel and the public, work within government offices, and/or utilize government email.

Contractor personnel must take the following actions to identify themselves as non-federal employees:

(1) Use an e-mail signature block that shows name, the office being supported and company affiliation (e.g. "John Smith, Office of Human Resources, ACME Corporation Support Contractor");

(2) Clearly identify themselves and their contractor affiliation in meetings;

(3) Identify their contractor affiliation in Departmental e-mail and phone listings whenever contractor personnel are included in those listings; and

(4) Contractor personnel may not utilize Department of State logos or indicia on business cards.

652.236-70 Additional Safety Measures (OCT 2017)

In addition to the safety/accident prevention requirements of FAR 52.236-13, Accident Prevention Alternate I, the contractor shall comply with the following additional safety measures.

(a) High Risk Activities. If the project contains any of the following high risk activities, the contractor shall follow the section in the latest edition, as of the date of the solicitation, of the U.S. Army Corps of Engineers Safety and Health manual, EM 385-1-1, that corresponds to the high risk activity. Before work may proceed, the contractor must obtain approval from the COR of the written safety plan required by FAR 52.236-13, Accident Prevention Alternate I (see paragraph (f) below), containing specific hazard mitigation and control techniques.

- (1) Scaffolding;
- (2) Work at heights above 1.8 meters;
- (3) Trenching or other excavation greater than one (1) meter in depth;
- (4) Earth-moving equipment and other large vehicles;
- (5) Cranes and rigging;
- (6) Welding or cutting and other hot work;
- (7) Partial or total demolition of a structure;
- (8) Temporary wiring, use of portable electric tools, or other recognized electrical hazards. Temporary wiring and portable electric tools require the use of a ground fault circuit interrupter (GFCI) in the affected circuits; other electrical hazards may also require the use of a GFCI;
- (9) Work in confined spaces (limited exits, potential for oxygen less than 19.5 percent or combustible atmosphere, potential for solid or liquid engulfment, or other hazards considered to be immediately dangerous to life or health such as water tanks, transformer vaults, sewers, cisterns, etc.);
- (10) Hazardous materials - a material with a physical or health hazard including but not limited to, flammable, explosive, corrosive, toxic, reactive or unstable, or any operations, which creates any kind of contamination inside an occupied building such as dust from demolition activities, paints, solvents, etc.; or
- (11) Hazardous noise levels as required in EM 385-1 Section 5B or local standards if more restrictive.

(b) Safety and Health Requirements. The Contractor and all subcontractors shall comply with the latest edition of the U.S. Army Corps of Engineers Safety and Health manual EM 385-1-1, or OSHA 29 CFR parts 1910 or 1926 if no EM 385-1-1 requirements are applicable, and the accepted contractor's written safety program.

(c) Mishap Reporting. The Contractor is required to report **immediately** all mishaps to the COR and the contracting officer.

A "mishap" is any event causing injury, disease or illness, death, material loss or property damage, or incident causing environmental contamination. The mishap reporting requirement shall include fires, explosions, hazardous materials contamination, and other similar incidents that may threaten people, property, and equipment.

(d) Records. The Contractor shall maintain an accurate record on all mishaps incident to work performed under this contract resulting in death, traumatic injury, occupational disease, or damage to or theft of property, materials, supplies, or equipment. The Contractor shall report this data in the manner prescribed by the contracting officer.

(e) Subcontracts. The Contractor shall insert this clause, including this paragraph (e), with appropriate changes in the designation of the parties, in subcontracts.

(f) Written program. The plan required by paragraph (f)(1) of the clause entitled "Accident Prevention Alternate I" shall be known as the Site Safety and Health Plan (SSHP) and shall address any activities listed in paragraph (a) of this clause, or as otherwise required by the contracting officer/COR.

(1) The SSHP shall be submitted at least 10 working days prior to commencing any activity at the site.

(2) The plan must address developing activity hazard analyses (AHAs) for specific tasks. The AHAs shall define the activities being performed and identify the work sequences, the specific anticipated hazards, site conditions, equipment, materials, and the control measures to be implemented to eliminate or reduce each hazard to an acceptable level of risk. Work shall not begin until the AHA for the work activity has been accepted by the COR and discussed with all engaged in the activity, including the Contractor, subcontractor(s), and Government on-site representatives.

(3) The names of the Competent/Qualified Person(s) required for a particular activity (for example, excavations, scaffolding, fall protection, other activities as specified by EM 385-1-1) shall be identified and included in the AHA. Proof of their competency/qualification shall be submitted to the contracting officer or COR for acceptance prior to the start of that work activity. The AHA shall be reviewed and modified as necessary to address changing site conditions, operations, or change of competent/qualified person(s).

652.242-73 Authorization and Performance (AUG 1999)

(a) The Contractor warrants the following:

- (1) That it has obtained authorization to operate and do business in the country or countries in which this contract will be performed;
- (2) That it has obtained all necessary licenses and permits required to perform this contract; and,
- (3) That it shall comply fully with all laws, decrees, labor standards, and regulations of said country or countries during the performance of this contract.

(b) If the party actually performing the work will be a subcontractor or joint venture partner, then such subcontractor or joint venture partner agrees to the requirements of paragraph (a) of this clause.

652.243-70 Notices (AUG 1999)

Any notice or request relating to this contract given by either party to the other shall be in writing. Said notice or request shall be mailed or delivered by hand to the other party at the address provided in the schedule of the contract. All modifications to the contract must be made in writing by the Contracting Officer.

Section I: List of Attachments

Attachment I-1 - Statement of Work

Attachment I-2 - Floor Plan

Attachment I-3 - YORK FCU Catalog

Attachment I-4 - DELTA Thermostat and Controller Diagram

Attachment I-5 - RSO Tokyo Security Form

Attachment I-6 - Sample Letter of Bank Guaranty

Section J: Quotation Information

J.1 Qualifications of Quoters

Quoters must be technically qualified and financially responsible to perform the work described in this Request for Quotations. At a minimum, each Quoter must meet the following requirements:

- (1) be able to understand written and spoken English;
- (2) have an established business with a permanent address and telephone listing;
- (3) be able to demonstrate prior construction experience with suitable references;
- (4) have the necessary personnel, equipment and financial resources available to perform the work;
- (5) have all licenses and permits required by local law;
- (6) meet all local insurance requirements;
- (7) have the ability to obtain or to post adequate performance security, such as bonds, irrevocable letters of credit or guarantees issued by a reputable financial institution;
- (8) have no adverse criminal record; and
- (9) have no political or business affiliation which could be considered contrary to the interests of the United States.

J.2 Submission of Quotations

This Request for Quotation is for the performance of the services described in Section B: Statement of Work, and the Attachments which are a part of this Request for Quotations.

Each quotation must consist one copy of the following:

- (a) Volume 1 - Standard Form 18 (SF-18). Volume 1 consists of completion of blocks 13a, 14, 15, 16a, 16b, and 16c of SF-18.
- (b) Volume 2 - Price. Volume 2 consists of Section A: Price
- (c) Volume 3 - Representations and Certifications. Volume 3 consists of Section L: Representations, Certifications, and Other Statements of Quoters (complete all portions that are applicable).

Submit the complete quotation **by email** (Not via Postal Mail) to the indicated below by no later than **12:00 noon, Friday, May 28, 2021 (JST)**.

No quotations will be accepted after this time.

U.S. Embassy
Point of Contact: Masao Chuma
Email: ChumaMX@state.gov
Subject: RFQ 19JA80-21-Q-0529

Mobile: 090-1110-9306

Embassy Telephone Operator: 03-3224-5000

* Note: After submitted of quotation, quoter shall contact Masao Chuma by phone or a separate email to confirm the receipt of quotation.

The quoter shall identify and explain/justify any deviations, exceptions, or conditional assumptions taken with respect to any of the instructions or requirements of this solicitation in the appropriate volume of the offer.

J.3 FAR 52.236-27 Site Visit (Construction) (FEB 1995)

(a) The clauses at 52.236-2, Differing Site Conditions, and 52.236-3, Site Investigations and Conditions Affecting the Work, will be included in any contract awarded as a result of this Request for Quotations. Accordingly, quoters are urged and expected to inspect the site where the work will be performed.

(b) A site visit has been scheduled for Thursday, May 20, 2021 at 10:00 a.m.

(c) Participants will meet at the Reception Area of the U.S. Embassy, 1-10-5 Akasaka, Minato-ku, Tokyo 107-8420.

J.4 Magnitude of Construction Project

It is anticipated that the range in price of this contract will be: Between \$25,000 and \$100,000 USD.

J.5 Late Quotations

Late quotations shall be handled in accordance with FAR.

J.6 FAR 52.252-1 Solicitation Provisions Incorporated by Reference (FEB 1998)

This contract incorporates the following provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at: <http://acquisition.gov/far/index.html/>. Please note this address is subject to change.

If the Federal Acquisition Regulation (FAR) is not available at the locations indicated above, use the Department of State Acquisition website at <http://www.statebuy.state.gov> to access the link to the FAR, or use of an Internet "search engine" (for example, Google, Yahoo or Excite) is suggested to obtain the latest location of the most current FAR.

J.7 The following Federal Acquisition Regulation provisions are incorporated by reference (48 CFR CH. 1):

<u>PROVISION</u>	<u>TITLE AND DATE</u>
52.204-7	System for Award Management (OCT 2018)
52.204-16	Commercial and Government Entity Code Reporting (AUG 2020)
52.214-34	Submission of Offers in the English Language (APR 1991)
52.215-1	Instructions to Offerors--Competitive Acquisition (JAN 2017)

Section K: Evaluation Criteria

K.1 Evaluation of Quotations

(a) Award will be made to the lowest priced, acceptable, responsible quoter. The U.S. Government reserves the right to reject quotations that are unreasonably low or high in price.

(b) Although the award is to be made to the lowest priced offeror, the U.S. Government may request a list of experience/past performance, licenses/permits if required, and financial statements to determine whether or not the offeror is a responsible contractor.

K.2 The U.S. Government will determine acceptability by assessing the quoter's compliance with the terms of the RFQ. The U.S. Government will determine responsibility by analyzing whether the apparent successful quoter complies with the requirements of FAR 9.1, including:

(a) ability to comply with the required performance period, taking into consideration all existing commercial and governmental business commitments;

(b) satisfactory record of integrity and business ethics;

(c) necessary organization, experience, and skills or the ability to obtain them;

(d) necessary equipment and facilities or the ability to obtain them; and

(e) otherwise qualified and eligible to receive an award under applicable laws and regulations.

Section L: Representations, Certifications and Other Statements of Quoters

L.1 FAR 52.204-3 Taxpayer Identification (OCT 1998)

(a) Definitions:

"Common parent", as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

"Taxpayer Identification Number (TIN)", as used in this provision, means the number required by the IRS to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision in order to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325 (d), reporting requirements of 26 USC 6041, 6041A, and 6050M and implementing regulations issued by the Internal Revenue Service (IRS). If the resulting contract is subject to the reporting requirements described in FAR 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 USC 7701(c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(d) Taxpayer Identification Number (TIN)

TIN: _____

____ TIN has been applied for.

____ TIN is not required because:

____ Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the U.S. and does not have an office or place of business or a fiscal paying agent in the U.S.;

____ Offeror is an agency or instrumentality of a foreign government;

____ Offeror is an agency or instrumentality of the Federal Government.

(e) Type of Organization

____ Sole Proprietorship;

____ Partnership;
____ Corporate Entity (not tax exempt);
____ Corporate Entity (tax exempt);
____ Government Entity (Federal, State, or local);
____ Foreign Government;
____ International Organization per 26 CFR 1.6049-4;
____ Other _____

(f) Common Parent

____ Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this clause.

____ Name and TIN of common parent;

____ Name: _____

____ TIN: _____

L.2 FAR 52.204-8 Annual Representations and Certifications (MAR 2020)

(a)

(1) The North American Industry classification System (NAICS) code for this acquisition is 236220.

(2) The small business size standard is \$36.5M.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b)

(1) If the provision at [52.204-7](#), System for Award Management, is included in this solicitation, paragraph (d) of this provision applies.

(2) If the provision at [52.204-7](#), System for Award Management, is not included in this solicitation, and the Offeror has an active registration in the System for Award Management (SAM), the Offeror may choose to use paragraph (d) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The Offeror shall indicate which option applies by checking one of the following boxes:

☐ (i) Paragraph (d) applies.

☐ (ii) Paragraph (d) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(c)

(1) The following representations or certifications in SAM are applicable to this solicitation as indicated:

(i) [52.203-2](#), Certificate of Independent Price Determination.

This provision applies to solicitations when a firm-fixed-price contract or fixed-price contract with economic price adjustment is contemplated, unless—

(A) The acquisition is to be made under the simplified acquisition procedures in Part 13;

- (B) The solicitation is a request for technical proposals under two-step sealed bidding procedures; or
- (C) The solicitation is for utility services for which rates are set by law or regulation.
- (ii) [52.203-11](#), Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions. This provision applies to solicitations expected to exceed \$250,000.
- (iii) [52.203-18](#), Prohibition on Contracting with Entities that Require Certain Internal Confidentiality Agreements or Statements-Representation. This provision applies to all solicitations.
- (iv) [52.204-3](#), Taxpayer Identification. This provision applies to solicitations that do not include the provision at 52.204-7, System for Award Management.
- (v) [52.204-5](#), Women-Owned Business (Other Than Small Business). This provision applies to solicitations that-
- (A) Are not set aside for small business concerns;
- (B) Exceed the simplified acquisition threshold; and
- (C) Are for contracts that will be performed in the United States or its outlying areas.
- (vi) [52.204-26](#), Covered Telecommunications Equipment or Services-Representation. This provision applies to all solicitations.
- (vii) [52.209-2](#), Prohibition on Contracting with Inverted Domestic Corporations-Representation.
- (viii) [52.209-5](#); Certification Regarding Responsibility Matters. This provision applies to solicitations where the contract value is expected to exceed the simplified acquisition threshold.
- (ix) [52.209-11](#), Representation by Corporations Regarding Delinquent Tax Liability or a Felony Conviction under any Federal Law. This provision applies to all solicitations.
- (x) [52.214-14](#), Place of Performance--Sealed Bidding. This provision applies to invitations for bids except those in which the place of performance is specified by the Government.
- (xi) [52.215-6](#), Place of Performance. This provision applies to solicitations unless the place of performance is specified by the Government.
- (xii) [52.219-1](#), Small Business Program Representations (Basic & Alternate I). This provision applies to solicitations when the contract will be performed in the United States or its outlying areas.
- (A) The basic provision applies when the solicitations are issued by other than DoD, NASA, and the Coast Guard.
- (B) The provision with its Alternate I applies to solicitations issued by DoD, NASA, or the Coast Guard.
- (xiii) [52.219-2](#), Equal Low Bids. This provision applies to solicitations when contracting by sealed bidding and the contract will be performed in the United States or its outlying areas.
- (xiv) [52.222-22](#), Previous Contracts and Compliance Reports. This provision applies to solicitations that include the clause at 52.222-26, Equal Opportunity.

(xv) [52.222-25](#), Affirmative Action Compliance. This provision applies to solicitations, other than those for construction, when the solicitation includes the clause at 52.222-26, Equal Opportunity.

(xvi) [52.222-38](#), Compliance with Veterans' Employment Reporting Requirements. This provision applies to solicitations when it is anticipated the contract award will exceed the simplified acquisition threshold and the contract is not for acquisition of commercial items.

(xvii) [52.223-1](#), Biobased Product Certification. This provision applies to solicitations that require the delivery or specify the use of USDA-designated items; or include the clause at 52.223-2, Affirmative Procurement of Biobased Products Under Service and Construction Contracts.

(xviii) [52.223-4](#), Recovered Material Certification. This provision applies to solicitations that are for, or specify the use of, EPA- designated items.

(xix) [52.223-22](#), Public Disclosure of Greenhouse Gas Emissions and Reduction Goals--Representation. This provision applies to solicitations that include the clause at 52.204-7.

(xx) [52.225-2](#), Buy American Certificate. This provision applies to solicitations containing the clause at 52.225-1.

(xxi) [52.225-4](#), Buy American--Free Trade Agreements--Israeli Trade Act Certificate. (Basic, Alternates I, II, and III.) This provision applies to solicitations containing the clause at [52.225-3](#).

(A) If the acquisition value is less than \$25,000, the basic provision applies.

(B) If the acquisition value is \$25,000 or more but is less than \$50,000, the provision with its Alternate I applies.

(C) If the acquisition value is \$50,000 or more but is less than \$83,099, the provision with its Alternate II applies.

(D) If the acquisition value is \$83,099 or more but is less than \$100,000, the provision with its Alternate III applies.

(xxii) [52.225-6](#), Trade Agreements Certificate. This provision applies to solicitations containing the clause at 52.225-5.

(xxiii) [52.225-20](#), Prohibition on Conducting Restricted Business Operations in Sudan--Certification. This provision applies to all solicitations.

(xxiv) [52.225-25](#), Prohibition on Contracting with Entities Engaging in Certain Activities or Transactions Relating to Iran--Representation and Certification. This provision applies to all solicitations.

(xxv) [52.226-2](#), Historically Black College or University and Minority Institution Representation. This provision applies to solicitations for research, studies, supplies, or services of the type normally acquired from higher educational institutions.

(2) The following representations or certifications are applicable as indicated by the Contracting Officer:

___ (i) [52.204-17](#), Ownership or Control of Offeror.

___ (ii) [52.204-20](#), Predecessor of Offeror.

___ (iii) [52.222-18](#), Certification Regarding Knowledge of Child Labor for Listed End Products.

___ (iv) [52.222-48](#), Exemption from Application of the Service Contract Labor Standards to Contracts for Maintenance, Calibration, or Repair of Certain Equipment--Certification.

___ (v) [52.222-52](#) Exemption from Application of the Service Contract Labor Standards to Contracts for Certain Services--Certification.

___ (vi) [52.223-9](#), with its Alternate I, Estimate of Percentage of Recovered Material Content for EPA-Designated Products (Alternate I only).

___ (vii) [52.227-6](#), Royalty Information.

___ (A) Basic.

___ (B) Alternate I.

___ (viii) [52.227-15](#), Representation of Limited Rights Data and Restricted Computer Software.

(d) The Offeror has completed the annual representations and certifications electronically in SAM accessed through <https://www.sam.gov>. After reviewing the SAM information, the Offeror verifies by submission of the offer that the representations and certifications currently posted electronically that apply to this solicitation as indicated in paragraph (c) of this provision have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [offeror to insert changes, identifying change by clause number, title, date]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

FAR Clause	Title	Date	Change

Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on SAM.

L.3 FAR 52.204-24 Representation Regarding Certain Telecommunications and Video Surveillance Services or Equipment (OCT 2020)

The Offeror shall not complete the representation at paragraph (d)(1) of this provision if the Offeror has represented that it "does not provide covered telecommunications equipment or services as a part of its offered products or services to the Government in

the performance of any contract, subcontract, or other contractual instrument" in paragraph (c) (1) in the provision at [52.204-26](#), Covered Telecommunications Equipment or Services-Representation, or in paragraph (v) (2) (i) of the provision at [52.212-3](#), Offeror Representations and Certifications-Commercial Items. The Offeror shall not complete the representation in paragraph (d) (2) of this provision if the Offeror has represented that it "does not use covered telecommunications equipment or services, or any equipment, system, or service that uses covered telecommunications equipment or services" in paragraph (c) (2) of the provision at [52.204-26](#), or in paragraph (v) (2) (ii) of the provision at [52.212-3](#).

(a) *Definitions.* As used in this provision—

Backhaul, covered telecommunications equipment or services, critical technology, interconnection arrangements, reasonable inquiry, roaming, and substantial or essential component have the meanings provided in the clause [52.204-25](#), Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

(b) *Prohibition.*

(1) Section 889(a) (1) (A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. Nothing in the prohibition shall be construed to—

(i) Prohibit the head of an executive agency from procuring with an entity to provide a service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(ii) Cover telecommunications equipment that cannot route or redirect user data traffic or cannot permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(2) Section 889(a) (1) (B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract or extending or renewing a contract with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether

that use is in performance of work under a Federal contract. Nothing in the prohibition shall be construed to—

(i) Prohibit the head of an executive agency from procuring with an entity to provide a service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(ii) Cover telecommunications equipment that cannot route or redirect user data traffic or cannot permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(c) *Procedures.* The Offeror shall review the list of excluded parties in the System for Award Management (SAM) (<https://www.sam.gov>) for entities excluded from receiving federal awards for "covered telecommunications equipment or services".

(d) *Representation.* The Offeror represents that—

(1) It ___ will, ___ will not provide covered telecommunications equipment or services to the Government in the performance of any contract, subcontract or other contractual instrument resulting from this solicitation. The Offeror shall provide the additional disclosure information required at paragraph (e)(1) of this section if the Offeror responds "will" in paragraph (d)(1) of this section; and

(2) After conducting a reasonable inquiry, for purposes of this representation, the Offeror represents that—

It ___ does, ___ does not use covered telecommunications equipment or services, or use any equipment, system, or service that uses covered telecommunications equipment or services. The Offeror shall provide the additional disclosure information required at paragraph (e)(2) of this section if the Offeror responds "does" in paragraph (d)(2) of this section.

(e) *Disclosures.*

(1) Disclosure for the representation in paragraph (d)(1) of this provision. If the Offeror has responded "will" in the representation in paragraph (d)(1) of this provision, the Offeror shall provide the following information as part of the offer:

(i) For covered equipment—

(A) The entity that produced the covered telecommunications equipment (include entity name, unique entity identifier, CAGE code, and whether the entity was the original equipment manufacturer (OEM) or a distributor, if known);

(B) A description of all covered telecommunications equipment offered (include brand; model number, such as OEM number, manufacturer part number, or wholesaler number; and item description, as applicable); and

(C) Explanation of the proposed use of covered telecommunications equipment and any factors relevant to determining if such use would be permissible under the prohibition in paragraph (b)(1) of this provision.

(ii) For covered services—

(A) If the service is related to item maintenance: A description of all covered telecommunications services offered (include on the item being maintained: Brand; model number, such as OEM number, manufacturer part number, or wholesaler number; and item description, as applicable); or

(B) If not associated with maintenance, the Product Service Code (PSC) of the service being provided; and explanation of the proposed use of covered telecommunications services and any factors relevant to determining if such use would be permissible under the prohibition in paragraph (b)(1) of this provision.

(2) Disclosure for the representation in paragraph (d)(2) of this provision. If the Offeror has responded "does" in the representation in paragraph (d)(2) of this provision, the Offeror shall provide the following information as part of the offer:

(i) For covered equipment—

(A) The entity that produced the covered telecommunications equipment (include entity name, unique entity identifier, CAGE code, and whether the entity was the OEM or a distributor, if known);

(B) A description of all covered telecommunications equipment offered (include brand; model number, such as OEM number, manufacturer part number, or wholesaler number; and item description, as applicable); and

(C) Explanation of the proposed use of covered telecommunications equipment and any factors relevant to determining if such use would be permissible under the prohibition in paragraph (b)(2) of this provision.

(ii) For covered services—

(A) If the service is related to item maintenance: A description of all covered telecommunications services offered (include on

the item being maintained: Brand; model number, such as OEM number, manufacturer part number, or wholesaler number; and item description, as applicable); or

(B) If not associated with maintenance, the PSC of the service being provided; and explanation of the proposed use of covered telecommunications services and any factors relevant to determining if such use would be permissible under the prohibition in paragraph (b)(2) of this provision.

(End of provision)

L.4 FAR 52.209-2 Prohibition on Contracting with Inverted Domestic Corporations Representation (NOV 2015)

(a) Definitions. "Inverted domestic corporation" and "subsidiary" have the meaning given in the clause of this contract entitled Prohibition on Contracting with Inverted Domestic Corporations ([52.209-10](#)).

(b) Government agencies are not permitted to use appropriated (or otherwise made available) funds for contracts with either an inverted domestic corporation, or a subsidiary of an inverted domestic corporation, unless the exception at [9.108-2](#)(b) applies or the requirement is waived in accordance with the procedures at [9.108-4](#).

(c) Representation. The Offeror represents that.

- (1) It ☐ is, ☐ is not an inverted domestic corporation; and
- (2) It ☐ is, ☐ is not a subsidiary of an inverted domestic corporation.

L.5 FAR 52.225-18 Place of Manufacture (SEPT 2006)

(a) Definitions. As used in this clause—

"Manufactured end product" means any end product in Federal Supply Classes (FSC) 1000-9999, except—

- (1) FSC 5510, Lumber and Related Basic Wood Materials;
- (2) Federal Supply Group (FSG) 87, Agricultural Supplies;
- (3) FSG 88, Live Animals;
- (4) FSG 89, Food and Related Consumables;
- (5) FSC 9410, Crude Grades of Plant Materials;
- (6) FSC 9430, Miscellaneous Crude Animal Products, Inedible;
- (7) FSC 9440, Miscellaneous Crude Agricultural and Forestry Products;
- (8) FSC 9610, Ores;
- (9) FSC 9620, Minerals, Natural and Synthetic; and
- (10) FSC 9630, Additive Metal Materials.

"Place of manufacture" means the place where an end product is assembled out of components, or otherwise made or processed from raw materials into the finished product that is to be provided to the Government. If a product is disassembled and reassembled, the place of reassembly is not the place of manufacture.

(b) For statistical purposes only, the offeror shall indicate whether the place of manufacture of the end products it expects to provide in response to this solicitation is predominantly—

- (1) ☐ In the United States (Check this box if the total anticipated price of offered end products manufactured in the United States exceeds the total anticipated price of offered end products manufactured outside the United States); or
- (2) ☐ Outside the United States.

L.6 Authorized Contractor Administrator

If the offeror does not fill-in the blanks below, the official who signed the offer will be deemed to be the offeror's representative for Contract Administration, which includes all matters pertaining to payments.

Name: _____

Address: _____

Telephone Number: _____ Fax Number: _____

L.7 FAR 52.225-20 Prohibition on Conducting Restricted Business Operations in Sudan - Certification (AUG 2009)

(a) *Definitions.* As used in this provision—

"Business operations" means engaging in commerce in any form, including by acquiring, developing, maintaining, owning, selling, possessing, leasing, or operating equipment, facilities, personnel, products, services, personal property, real property, or any other apparatus of business or commerce.

"Marginalized populations of Sudan" means—

- (1) Adversely affected groups in regions authorized to receive assistance under section 8(c) of the Darfur Peace and Accountability Act (Pub. L. 109-344) (50 U.S.C. 1701 note); and
- (2) Marginalized areas in Northern Sudan described in section 4(9) of such Act.

"Restricted business operations" means business operations in Sudan that include power production activities, mineral extraction activities, oil-related activities, or the production of military equipment, as those terms are defined in the Sudan Accountability and Divestment Act of 2007 (Pub. L. 110-174). Restricted business

operations do not include business operations that the person conducting the business can demonstrate—

- (1) Are conducted under contract directly and exclusively with the regional government of southern Sudan;
- (2) Are conducted pursuant to specific authorization from the Office of Foreign Assets Control in the Department of the Treasury, or are expressly exempted under Federal law from the requirement to be conducted under such authorization;
- (3) Consist of providing goods or services to marginalized populations of Sudan;
- (4) Consist of providing goods or services to an internationally recognized peacekeeping force or humanitarian organization;
- (5) Consist of providing goods or services that are used only to promote health or education; or
- (6) Have been voluntarily suspended.

(b) *Certification.* By submission of its offer, the offeror certifies that it does not conduct any restricted business operations in Sudan.

L.8 FAR 52.228-17 Individual Surety—Pledge of Assets (Bid Guarantee).
(FEB 2021)

(End of provision)

L.9. FAR 52.204-26 Covered Telecommunications Equipment or Services—Representation (OCT 2020)

(a) *Definitions.* As used in this provision, “covered telecommunications equipment or services” and “reasonable inquiry” have the meaning provided in the clause [52.204-25](#), Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

(b) *Procedures.* The Offeror shall review the list of excluded parties in the System for Award Management (SAM) (<https://www.sam.gov>) for entities excluded from receiving federal awards for “covered telecommunications equipment or services”.

(c) *Representations.*

(1) The Offeror represents that it [] does, [] does not provide covered telecommunications equipment or services as a part of its offered products or services to the Government in the performance of any contract, subcontract, or other contractual instrument.

(2) After conducting a reasonable inquiry for purposes of this representation, the Offeror represents that it [] does, [] does not use covered telecommunications equipment or services, or any equipment, system, or service that uses covered telecommunications equipment or services.

(End of Provision)

REPLACE FAN COIL UNIT IN THE AUTO REPAIR SHOP OF THE CHANCERY BUILDING, AMERICAN EMBASSY, TOKYO

1. SCOPE OF WORK

Replace 42 years old fan coil unit at the ground level Auto Repair Shop of the Chancery building. Simultaneously with the replacement, reinforce the sustainability of the new fan coils by bracing the hanging steel bars. The Chancery building, U.S. Embassy Tokyo is located at 10-5, Akasaka 1-chome, Minato-ku, Tokyo.

2. Drawings and Specifications

- 2.1. The Contractor shall keep copies of the drawings and specifications on the job and shall at all times make these available to the Contracting Officer's Representative (COR) upon request. Any items provided for in the specification or drawings shall be considered as being shown or provided for in both. In any case of discrepancy in the figures or drawings, the matter shall be immediately brought to the attention of the COR, without whose decision said discrepancy shall not be adjusted by the Contractor, save only at its own risk and expense. The COR may furnish from time to time such additional drawings or other information as the COR may consider necessary.
- 2.2. The COR may, at any time, by written order, make changes in the drawings and/or specifications of this contract and within the general scope thereof. If such changes cause any increase in the amount due under this contract, or in the time required for its performance, the Embassy Contracting Officer (ECO) shall clarify for approval on such changes and issue a modification to reflect such changes in writing. Any changes in the scope of performance, or changes, which result in increases in cost, must be approved by the ECO by modification.

3. Materials, Work/conduct Standards, Contractor Personnel

- 3.1 The Embassy will supply the fan coil unit specified herein:
Fan coil unit: The fan coil unit to be supplied shall be for the replacement of the existing one in the Auto Repair Shop of Chancery building. ATTACHMENT (A)
Manufacturer: YORK
(a) YORK YGFC08CCAUXXXKLEG, ceiling concealed model
220VAC single phase, 50 Hz, 3.2Kw cooling capacity, 1275 CMH

The Contractor shall provide all materials, labor, tools, equipment, transportation and other facilities necessary for the execution and completion of the contracted work. All the work and procedures in the contract shall be

performed in conformity to the specifications and drawings. All local labor standards for occupational safety and health apply to this contract.

- 3.2. All the materials to be used for the contracted work shall be new and meet or exceed the Japan Industrial Standard (JIS). The contractor shall provide the COR with a hazardous material (HM) inventory and material safety data sheets (MSDS) in advance if the contractor anticipates bringing such materials to the job-site. The contractor shall not use chromate compound/lead/asbestos contained materials for any works covered under this contract.
- 3.3. All the work required under this contract shall be performed and accomplished in conformity with the followings:
1. Specifications of Society of Heating, Airconditioning and Sanitary Engineering of Japan (SHASE)
 2. Specifications of Japan Water Works Association (JWWA)
 3. Specifications of Japan Electrical Association Codes (JEAC)
 4. Manufacture's specifications for the new fan coil unit.
- 3.4. The contractor shall at all times enforce strict disciplines and good order among its employees and assure professional workmanship. The contractor shall insure that all personnel employed in the performance of this contract are qualified and possess the necessary licenses required in their respective trades. If necessary, the Contractor shall obtain such licenses and permits at no additional cost to the Government. The contractor shall be responsible for all damages to personnel or properties, which occur as a result of negligence in connection with the contracted work, and further be responsible for the proper care and protection of all materials delivered and work performed until completion and final acceptance. The Contractor shall agree to release the Government from all damages or claims arising from the work covered by this contract.
- 3.5. All works, either in progress or in a completed state under this contract, shall be continuously protected by the contractor against damage, and shall be so secured as to preclude any accidents or damages to adjacent property or personnel, until the product is turned over to and accepted by the Government. Protective clothing will be worn at all times by contractor employees during the execution of this contract. Upon completion of all the works, the contractor shall thoroughly clean the entire work area prior to turnover to the Government. The Contractor shall not display signs or advertisements at any time on or adjacent to the premises.
- 3.6. The Contractor shall promptly remove from the premises any non-conforming materials that are delivered by the Contractor, its vendors or its subcontractors whether incorporated in the work or not. The Contractor shall suspend work

on other aspects of the project until the non-conforming products are replaced unless otherwise directed by the COR. The Contractor shall promptly replace such material and/or re-execute work in accordance with the drawings and specifications of this contract without additional expense to the Government.

4. Technical Provisions

4.1. Location: Auto Repair Shop Office #90 adjacent to Chancery Building.
See the attached floor plan.

4.2. Removal and disposal.

The Contractor shall remove and dispose of the existing 2-pipe type fan coil unit and its condensate drain pan. The Contractor shall remain the peripheral water pipes, hanging steel bars and reuse if possible. Remove the existing air supply chamber box and its air diffuser. Remove two pneumatic 2-way valves and air tubing; and pinch the ends so that the air will not leak, at the location instructed by the COR. Remove the existing wiring and fan control thermostat.

The two isolation gate valves, flow control valves, Y-strainers shall be removed and replaced with new Contractor furnished materials. The primary power feeds and conduits shall remain in place and be reused for the new fan coil units.

All rusted or non functional parts shall be identified to the COR prior to the fan coil unit installation. The Embassy shall furnish the two 2-way electronic valves (one for Hot Water Lines and one for Chilled Water Lines) , and the Contractor shall install those parts.

4.3. Installation and bracing of the new fan coil units and delivery of the new fan coil unit to work site.

4.3.1. Fan coil unit installation. The Contractor shall install the Embassy furnished fan coil unit per below. Refer to the attached catalogue.

YORK YGFC08CCAUXXXKLEG, ceiling concealed model
220VAC single phase, 3.2Kw cooling capacity, 1275 CMH

The Contractor shall anchor four (4) 13mm dia. steel bars to the ceiling slab and hang the new fan coil unit at the appropriate level with the 4 steel bars, with additional cross bars for seismic protection.

4.3.2. Piping. The Contractor shall connect water inlet (3/4")/outlet (3/4") of the fan coil unit correctly to the remaining supply/return water pipes with dielectric unions, and condensate drain outlet (3/4") to the existing main condensate

drain piping with appropriate PVC piping. The Contractor shall make sure the existing condensate drain lines are free of debris and drain properly. To replace the existing shut off valve it will require **deep freeze method** to perform the replacement. In this case, the Contractor shall supply and install new sets of ball valve and piping.

- 4.3.3. Electric wiring. The Contractor shall connect the existing power feeders (240VAC single phase) to the Embassy furnished new Delta Control Panel/Control Box and connect to the new 4-pipe fan coil unit with approved cables. Properly hang the new Delta Control Box from the ceiling slab and install new metal conduit piping and wiring for this work. The Government will furnish the two new 2-way Valves with Actuator. The Contractor shall install these 2-way valve on the Hot Water Return and Chilled Water Return with Contractor furnished Strainers. The Contractor shall install the Embassy furnished RIB Relay inside the Delta Control Box and connect all necessary wirings for the new 2-way valve control. (Refer to attached DELTA FCU Thermostat and Controller Diagram) All electric wiring shall be accomplished to meet Japan Electrical Association Codes (JEAC), and as required by Delta Controls. The Contractor shall install the Embassy furnished Thermostat with new Contractor furnished control wirings in a new conduit piping.
- 4.3.4. Ducting: The Contractor shall pre-fabricate new supply air duct adaptor with appropriate zinc galvanized sheet metal and new waterproofed synthetic canvas joints. The Contractor shall also prefabricate new chamber box with new supply air diffuser. Attach the duct adaptor to the new FCU with approved rivets or screws. The canvas flexible joint shall be attached to the new chamber box properly. Seal all joints tight so as not to leak supply air.
- 4.3.5. Bracing: The Contractor shall brace each steel bar with another 13mm dia. steel bar. The steel bar for bracing shall be anchored to the ceiling slab and firmly bound to each hanging steel bar with approved steel wire clips. The steel wire clips shall be set as close as possible to the fan coil unit. The 4 bracing steel bars shall be set on diagonal lines of the fan coil unit as looking up from the floor. The Contractor shall report to the COR if the 4 bracing steel bars cannot be set as stated because of the surroundings.
- 4.3.6. Thermal Insulation: The Contractor shall restore the thermal insulation on the hot/chilled water piping, new chamber box, and supply air duct connections. Use approved 40mm thick fiberglass for the pipe and 25mm thick fiberglass for the duct. The thermal insulation shall be finished with approved aluminum-glass cloth or chicken net wires (Kikkou-maki).
- 4.3.7. The Contractor shall perform and accomplish all the installation in compliance with the Specifications of Society of Heating, Air-conditioning and Sanitary Engineering of Japan, Specifications of Japan Water Works Association,

Specification of Japan Electrical Association Codes and the fan coil unit manufacture's specifications for the installation.

- 4.4. Test operation and adjustment: Upon completion of all the work, the Contractor shall test-operate the new fan coil unit, 2-way valves and thermostat fan and temperature controls; and adjust or correct if required for the operational conditions as designed and intended for both cooling and heating operations. Having assured normal and designed operation, the Contractor shall submit the operation data and parameters in written English to the COR.

5. **Debris Disposal**

Debris produced from the work in this contract shall be disposed on a daily basis outside the Embassy premises in compliance with applicable local codes for the industrial waste disposal. The contractor shall at all times keep the work site free from accumulation of waste materials, rubbish and/ or debris derived from the works or the contractor's employee, and at the completion of each workday, shall restore the work site to be neat and clean. In case of non-conformity by the contractor, the COR shall have the option to remove the materials, rubbish and/or debris and charge the contractor up to twice the cost incurred for each occurrence.

6. **Use of utilities**

Electricity, 100VAC single phase is available in the Embassy premises. City water is also available at faucets or bibcocks in the Embassy premises. Electricity and city water shall be supplied at no charge to the contractor from commencement of work through to completion of the contract, and be utilized solely for the contracted work, never for the other purposes.

7. **Temporary Work/installations/Structures**

Advance approval by the COR is required for scaffoldings and/or any temporary structures necessary to execute and accomplish the contracted work. The Contractor shall submit a work plan of temporary structures for the COR's approval.

- 7.1. Advance approval by the COR shall be required to install temporary electric cables and/or water pipes for the contracted work. Before the final acceptance of the contract by the Government, the contractor shall remove these temporary installations and restore the original conditions.

8. Work Schedule, Hours and Duration

No work on construction site shall commence prior to the COR's approval on the work schedule submitted from the contractor. The contractor shall complete the work within 5 working calendar days after commencement of the work.

- 8.1. Unless otherwise approved in advance by the COR, the contractor may perform the work in the following work hours and days:
0830 hours - 1730 hours
Monday to Friday

9. Contractor's Submittals

- 9.1. The Contractor shall submit a work plan and work schedule, setting forth date, time, contents of work, personnel and time line to completion and obtain the COR's approval prior to commencement of work.
- 9.2. The Contractor shall submit the shop drawings for the installation of new fan coil unit, supply air duct adaptor and canvas joint for FCU to the COR and obtain the COR's approval prior to commencement of work.
- 9.3. The Contractor shall submit samples and/or catalogs of materials and equipment to the COR and obtain the COR's approval prior to commencement of work.
- 9.4. As requested by the COR, the Contractor shall submit the cost estimate for the change order of the Contract, if unforeseen condition exists and remedial actions are necessary for the work accomplishment.
- 9.5. Upon completion of all contracted work, the Contractor shall submit 2 sets of as-built piping drawings, equipment schedule and test operation data in English to the COR.

10. Inspection by the COR

The COR or COR's designee may inspect the contracted work either in progress or completed state and/or materials at times as required for quality assurance and control. If any non-conformity to the contract requirements and specifications is found during such inspections on the work/materials/equipment, the contractor shall perform the work again and/or replace the materials/equipment accordingly, at no additional cost to the Government.

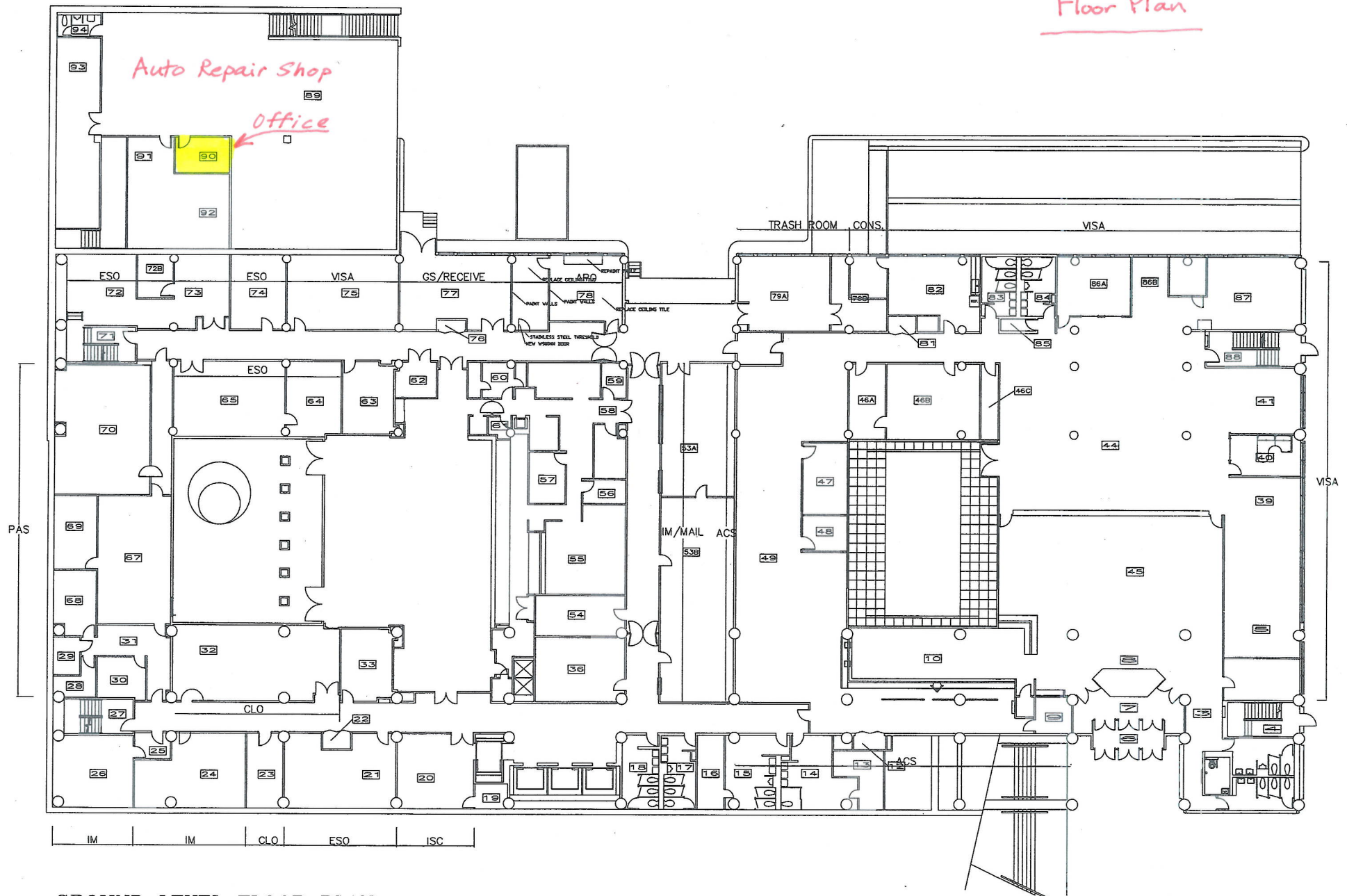
- 10.1. The contractor shall request the COR the final inspection when all works covered in this contract are completed. The contractor shall correct accordingly any deficiencies and/or discrepancies against the contract requirements and specifications, if found during the final inspection. The Contractor shall complete all contracted works in compliance with the contract requirements and specifications.

11. **Guarantee**

The contractor shall guarantee workmanship and end product, except the Government furnished items, for one-year period from the date of the COR's acceptance of the contract completion.

- 11.1. During the guarantee period, the contractor shall correct and/or repair, at no cost to the Government, any malfunctions, defects and/or breakdowns attributed to the materials, equipment and workmanship provided by the Contractor in this contract. The contractor shall provide all labor, materials and equipment, at their own expenses, to perform the repair and/or correction. The repair and/or correction must be completed within one week (1) week from Notice of Deficiency.

Floor Plan



GROUND LEVEL FLOOR PLAN

FAN COIL UNITS

YGFC

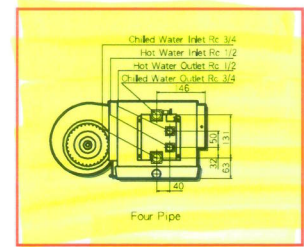
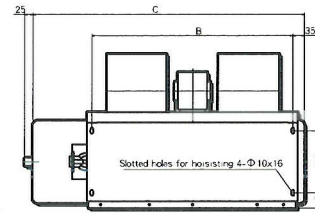
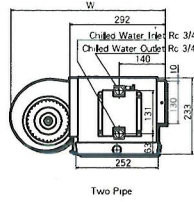
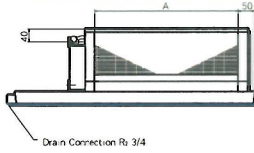
Attachment J-3

NEW FAN COIL UNIT



Dimensions

Ceiling Concealed Model

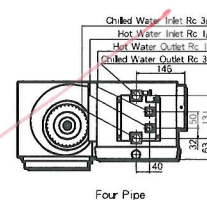
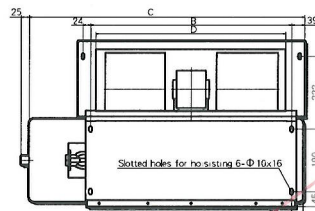
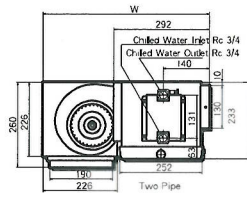
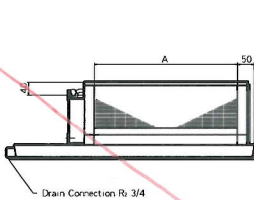


Model	A	B	C(Length)	C*(Length)	W	H	Plenum Conn Dim(mm x mm)
YGFC-02CC-2(3/4/A)-S(H/U)	435	465	740	840	470	233	485 x 130
YGFC-03CC-2(3/4/A)-S(H/U)	585	615	840	940	470	233	635 x 130
YGFC-04CC-2(3/4/A)-S(H/U)	665	695	940	1040	470	233	715 x 130
YGFC-05CC-2(3/4/A)-S(H/U)	725	755	1040	1160	470	233	775 x 130
YGFC-06CC-2(3/4/A)-S(H/U)	825	855	1160	1260	470	233	875 x 130
YGFC-07CC-2(3/4/A)-S(H/U)	1005	1035	1360	1460	470	233	1055 x 130
YGFC-08CC-2(3/4/A)-S(H/U)	1205	1235	1460	1560	470	233	1255 x 130
YGFC-10CC-2(3/4/A)-S(H/U)	1255	1285	1560	1660	470	233	1305 x 130
YGFC-12CC-2(3/4/A)-S(H/U)	1505	1535	1760	1860	470	233	1555 x 130
YGFC-14CC-2(3/4/A)-S(H/U)	1755	1785	2060	2160	470	233	1805 x 130

Notes:

1. Facing the air outlet, the left type unit has pipes on the left side, right type unit opposite.
2. C* is the size of unit with an extended drain pan(optional).
3. BLDC motor units need to include 100mm extended drain pan.
4. Valve package units need to include 100mm extended drain pan.

Ceiling Concealed Model with Bottom Return Air Plenum

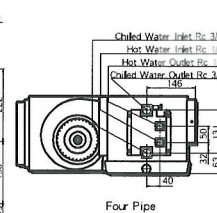
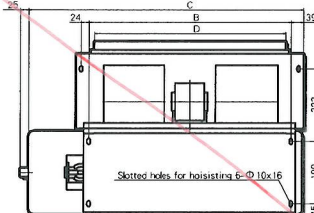
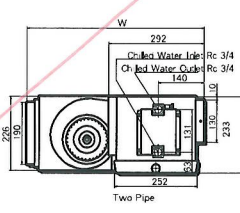
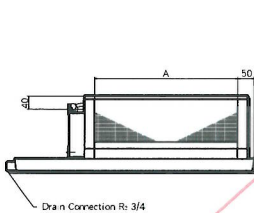


Model	A	B	C(Length)	C*(Length)	D	W	H	Plenum Conn Dim(mm x mm)
YGFC-02CD-2(3/4/A)-S(H/U)	435	465	740	840	431	507	233	485 x 130
YGFC-03CD-2(3/4/A)-S(H/U)	585	615	840	940	581	507	233	635 x 130
YGFC-04CD-2(3/4/A)-S(H/U)	665	695	940	1040	661	507	233	715 x 130
YGFC-05CD-2(3/4/A)-S(H/U)	725	755	1040	1160	721	507	233	775 x 130
YGFC-06CD-2(3/4/A)-S(H/U)	825	855	1160	1260	821	507	233	875 x 130
YGFC-07CD-2(3/4/A)-S(H/U)	1005	1035	1360	1460	1001	507	233	1055 x 130
YGFC-08CD-2(3/4/A)-S(H/U)	1205	1235	1460	1560	1201	507	233	1255 x 130
YGFC-10CD-2(3/4/A)-S(H/U)	1255	1285	1560	1660	1251	507	233	1305 x 130
YGFC-12CD-2(3/4/A)-S(H/U)	1505	1535	1760	1860	1501	507	233	1555 x 130
YGFC-14CD-2(3/4/A)-S(H/U)	1755	1785	2060	2160	1751	507	233	1805 x 130

Notes:

1. Facing the air outlet, the left type unit has pipes on the left side, right type unit opposite.
2. C* is the size of unit with an extended drain pan.
3. The back return air plenum and the bottom return air plenum can be retrofitted according to the field requirement.
4. Filter frame is provided as standard. Filter media is provided as an option.
5. BLDC motor units need to include 100mm extended drain pan.
6. Valve package units need to include 100mm extended drain pan.

Ceiling Concealed Model with Back Return Air Plenum



Model	A	B	C(Length)	C*(Length)	D	W	H	Plenum Conn Dim(mm x mm)
YGFC-02CB-2(3/4/A)-S(H/U)	435	465	740	840	431	541	233	485 x 130
YGFC-03CB-2(3/4/A)-S(H/U)	585	615	840	940	581	541	233	635 x 130
YGFC-04CB-2(3/4/A)-S(H/U)	665	695	940	1040	661	541	233	715 x 130
YGFC-05CB-2(3/4/A)-S(H/U)	725	755	1040	1160	721	541	233	775 x 130
YGFC-06CB-2(3/4/A)-S(H/U)	825	855	1160	1260	821	541	233	875 x 130
YGFC-07CB-2(3/4/A)-S(H/U)	1005	1035	1360	1460	1001	541	233	1055 x 130
YGFC-08CB-2(3/4/A)-S(H/U)	1205	1235	1460	1560	1201	541	233	1255 x 130
YGFC-10CB-2(3/4/A)-S(H/U)	1255	1285	1560	1660	1251	541	233	1305 x 130
YGFC-12CB-2(3/4/A)-S(H/U)	1505	1535	1760	1860	1501	541	233	1555 x 130
YGFC-14CB-2(3/4/A)-S(H/U)	1755	1785	2060	2160	1751	541	233	1805 x 130

Notes:

1. Facing the air outlet, the left type unit has pipes on the left side, right type unit opposite.
2. C* is the size of unit with an extended drain pan.
3. The back return air plenum and the bottom return air plenum can be retrofitted according to the field requirement.
4. Filter frame is provided as standard. Filter media is provided as an option.
5. BLDC motor units need to include 100mm extended drain pan.
6. Valve package units need to include 100mm extended drain pan.

Nomenclature

Connection Side
Left or Right
to be verified at field.

YGFC08CCAUXXXKL(R)EG FCU-1

YGFC10CCAUXXXKL(R)EG FCU-2

YGFC04CC3SEFX-LEH

YORK Global Fan Coil Unit
Unit: 02 03 04 05 06 07 08 10 12 14
Model CC: Ceiling Concealed CD: Ceiling Concealed With Bottom Return Plenum CB: Ceiling Concealed With Back Return Plenum VC: Vertical Concealed VE: Vertical Exposed CE: Ceiling Exposed
Rows: 2: 2Rows 3: 3Rows 4: 4Rows A: 3+1 Rows
Static Pressure Type S: 12Pa Standard Static Pressure H: 30Pa High Static Pressure U: 50Pa Ultra-High Static Pressure D: Smart BLDC Motor (S/H/U) X: BLDC Motor (S) Y: BLDC Motor (H) Z: BLDC Motor (U)

Model Level: G/H
Region: E: Export H: HongKong
Connection Side L: Left Hand R: Right Hand
Power Supply None: 220V/50Hz AC motor A: 220V/60Hz AC motor B: 127V/60Hz AC motor K: 230V/50Hz AC motor C: 220V/50Hz BLDC motor D: 220V/60Hz BLDC motor E: 127V/60Hz BLDC motor L: 230V/50Hz BLDC motor
Electric Heater H: With Electric Heater X: None
Filter F: Filter Media & Frame X: None
Drain Pan X: Galvanized Steel Standard Drain Pan E: Galvanized Steel Extended Drain Pan S: Stainless Steel Standard Drain Pan T: Stainless Steel Extended Drain Pan

For X/Y/Z BLDC unit, the allowed power supply is 220-240V, ~50/60Hz.

Design Features

High Efficiency

The high efficiency copper-tube and aluminum-fin heat exchanger is of the cross radiation variety, and is available in four different types: 2 rows, 3 rows, 4 rows and 4 pipes. The heat exchanger is equipped with large air flow and low noise fan to enhance the heat transfer, and achieve high heat exchange efficiency. The maximum working pressure of the heat exchanger is 1.6MPa.

Quiet Operation and Energy Saving

All units are optimized for maximum performance. Each fan has been thoroughly checked to ensure high efficient and quiet operation. The fan uses galvanized steel centrifugal forward curve blades. Water knockout is made of brass for uniform water flow and less water pressure drop.

Low Maintenance Cost

Motor utilizes 3-speed permanent split capacitors and imported high precision and quality ball bearings. The self-lube ball bearings reduce noise and prolong lifespan. They are also surface-treated with anti-corrosive material to ensure that the motor shaft has longer lifespan.

Flexibility and Low Installation Cost

- Ceiling concealed (horizontal concealed) fan coil's mounting plate can be interchanged with flange of the opening. Customers can easily change the direction of duct connection for quick and easy installation.
- Vertical concealed fan coil unit can be elegantly mounted under the window, allowing customers to renovate their house freely and comfortably.
- CE, VE Type exposed unit can be ceiling mounted as well as floor mounted too.
- Vertical exposed fan coil unit can be placed at any location in a room and its beautiful decorative shape matches any furniture, it does not only save the decoration cost but also provide a comfortable and beautiful environment.
- Ceiling exposed fan coil unit can be mounted directly on the ceiling.

Technical Data

26007 Btu
29,352 Btu

Model	ESP	Air Flow(m³/h)			Nominal Cooling Capacity (kW)		Nominal Heating Capacity (kW)	Water Flow (L/s)		Water Pressure Drop (kPa)	
		High	Medium	Low	Total Heat	Sensible Heat		Cooling Condition	Heating Condition	Cooling Condition	Heating Condition
2 Rows	02 S/H/U	360	270/270/270	190/180/190	2.05	1.35	3.06	0.102	0.102	30.0	30.0
	03 S/H/U	520	410/440/390	270/310/270	2.80	1.99	4.93	0.135	0.135	28.0	28.0
	04 S/H/U	690	520/535/530	350/370/360	3.50	2.65	5.83	0.188	0.188	30.0	30.0
	05 S/H/U	870	660/660/700	440/440/530	4.01	3.19	7.03	0.196	0.196	27.0	27.0
	06 S/H/U	1030	750/790/800	500/540/580	4.80	3.81	8.56	0.233	0.233	30.0	30.0
	07 S/H/U	1170	860/910/850	700/620/590	5.85	4.40	10.03	0.287	0.287	40.0	40.0
	08 S/H/U	1360	1030/1135/1200	640/810/860	7.25	5.16	12.22	0.353	0.353	40.0	40.0
	10 S/H/U	1740	1310/1310/1380	870/870/920	8.25/8.00/8.00	6.18/6.15/6.15	14.56/14.15/14.15	0.397/0.385/0.385	0.397/0.385/0.385	40.0	40.0
	12 S/H/U	2040	1560/1560/1700	1040/1040/1180	9.65/9.45/9.15	7.61/7.45/7.21	15.99/15.66/15.16	0.465/0.457/0.440	0.465/0.457/0.440	40.0	40.0
	14 S/H/U	2380	1830/1830/1850	1220/1220/1360	11.50/11.20/10.50	8.60/8.45/7.85	19.05/18.55/17.39	0.554/0.538/0.508	0.554/0.538/0.508	50.0	50.0
3 Rows	02 S/H/U	340	270/270/270	190/170/190	2.13	1.44	3.48	0.104	0.104	25.0	25.0
	03 S/H/U	520	390/430/380	260/300/270	3.26	2.26	5.32	0.158	0.158	26.0	26.0
	04 S/H/U	680	520/520/530	340/360/360	4.17	3.01	6.68	0.201	0.201	30.0	30.0
	05 S/H/U	850	640/640/680	430/430/500	4.84	3.57	7.84	0.233	0.233	28.0	28.0
	06 S/H/U	1020	730/770/780	485/530/540	5.81	4.32	9.38	0.283	0.283	30.0	30.0
	07 S/H/U	1170	850/910/840	590/600/580	6.28	4.77	10.61	0.303	0.303	30.0	30.0
	08 S/H/U	1360	1000/1120/1150	640/780/840	7.92	5.85	12.79	0.386	0.386	38.0	38.0
	10 S/H/U	1710	1290/1290/1320	860/860/900	9.07	7.13	15.91	0.440	0.440	38.0	38.0
	12 S/H/U	2040	1530/1530/1620	1020/1020/1130	11.12	8.23	18.38	0.540	0.540	40.0	40.0
	14 S/H/U	2380	1790/1790/1800	1190/1190/1320	12.94	9.86	21.74	0.627	0.627	50.0	50.0
3+1 Rows	02 S/H/U	340	270/270/270	170/170/180	2.03	1.38	1.63	0.100	0.033	24.0	24.0
	03 S/H/U	500	350/420/380	240/300/260	3.08	2.15	2.49	0.149	0.050	25.0	25.0
	04 S/H/U	670	480/520/520	310/352/350	3.98	2.90	3.04	0.192	0.064	30.0	30.0
	05 S/H/U	820	620/620/640	420/420/480	4.56	3.38	3.52	0.219	0.073	27.0	27.0
	06 S/H/U	1010	720/760/760	480/520/520	5.56	4.17	4.40	0.271	0.090	30.0	30.0
	07 S/H/U	1160	840/900/830	560/590/580	6.01	4.60	4.93	0.290	0.097	30.0	30.0
	08 S/H/U	1350	990/1080/1100	640/780/820	7.62	5.67	6.11	0.371	0.124	37.0	37.0
	10 S/H/U	1680	1270/1270/1300	850/850/880	8.60	6.82	6.66	0.418	0.139	36.0	36.0
	12 S/H/U	2000	1500/1500/1550	1000/1000/1100	10.56	7.86	8.06	0.513	0.171	38.0	38.0
	14 S/H/U	2330	1750/1750/1750	1160/1160/1280	12.34	9.44	9.66	0.598	0.199	48.0	48.0
4 Rows	02 S/H/U	340	270/270/270	170/170/180	2.52	1.52	4.08	0.128	0.128	40.0	40.0
	03 S/H/U	500	350/420/380	240/300/260	3.77	2.30	5.84	0.186	0.186	40.0	40.0
	04 S/H/U	670	480/520/520	310/352/350	4.47	2.81	6.91	0.224	0.224	60.0	60.0
	05 S/H/U	820	620/620/640	420/420/480	5.37	3.45	8.63	0.266	0.266	45.0	45.0
	06 S/H/U	1010	720/760/760	480/520/520	6.21	4.06	10.25	0.305	0.305	45.0	45.0
	07 S/H/U	1160	840/900/830	560/590/580	7.33	4.79	11.81	0.363	0.363	45.0	45.0
	08 S/H/U	1350	990/1080/1100	640/780/820	8.50	5.58	14.26	0.420	0.420	45.0	45.0
	10 S/H/U	1680	1270/1270/1300	850/850/880	10.09	6.70	17.12	0.500	0.500	45.0	45.0
	12 S/H/U	2000	1500/1500/1550	1000/1000/1100	12.35	8.00	21.23	0.616	0.616	55.0	55.0
	14 S/H/U	2330	1750/1750/1750	1160/1160/1280	14.14	9.17	23.67	0.708	0.708	80.0	80.0

For 4-Pipes

3413

Fan	Type	Centrifugal fan(Forward curved)
Motor	Type	Single phase permanent split-capacitor (PSC) motor Or Brushless DC(BLDC) motor
Coil	Water inlet/outlet connection	R: 3/4
	Max working pressure	1.6MPa
	Fin type	Corrugated-louver aluminum fin with hydrophilic coating
Drain Pan	Drain connection	R: 3/4
	Type	Press, electrostatic spray coating

Correction Factor of Total Heat / Sensible Heat (Cooling) and Heating Capacity:

Model	02	03	04	05	06	07	08	10	12	14
VC	2 Rows	0.84	0.88	0.98	0.95	0.97	0.94	0.84	0.92	0.92
	3 Rows	0.94	0.91	0.92	0.93	0.95	0.96	0.87	0.88	0.88
CE/VE	2 Rows	0.97	1.02	1.04	1.07	0.98	0.93	1.00	1.01	1.09
	3 Rows	1.01	1.12	1.00	0.99	0.96	0.96	0.98	1.02	0.97

Motor									Qty	Sound Level dB(A)			Weight (kg)			
Power Input(W)								AC		Smart BLDC	BLDC	CC	CB/CD	CE/VE	VC	
220V/50Hz			220V/60Hz			127V/60Hz										
AC	Smart BLDC	BLDC	AC	Smart BLDC	BLDC	AC	Smart BLDC									
36/42/45	21/28/32	17/21/29	32/42/60	21/28/32	17/21/29	35/39/66	21/28/32	1	35/38/41	35/38/40.5	35/38/41	11.3	14.4	25.4	21.7	
44/59/66	27/35/43	24/31/42	38/48/69	27/35/43	24/31/42	41/50/79	27/35/43	1	36/40.5/43.5	37/39.5/43	36/40.5/43.5	13.5	17.2	30.8	23.3	
62/74/84	47/56/62	30/40/55	58/65/105	47/56/62	30/40/55	54/67/106	47/56/62	1	39/42/45.5	39/42/45	39/42/45.5	15.5	19.5	33.6	26.6	
76/88/93	52/65/76	40/51/64	73/115/117	53/65/76	40/51/64	76/113/129	53/65/76	1	42/44.4/47	42/44/47	42/44.5/47	16.4	20.6	33.6	28.2	
97/111/122	62/84/99	54/63/79	92/133/147	62/84/99	54/63/79	101/143/160	62/84/99	1	45/46/48	44.5/46/47.5	45/46/48	18.4	22.9	36.2	30.8	
123/129/154	76/97/117	64/79/94	136/150/162	76/97/117	64/79/94	150/158/175	76/97/117	1	46/47.5/49	46/47.5/49	46/47.5/49	20.5	25.6	38.8	40.7	
140/154/172	101/118/138	66/83/105	136/175/197	105/118/138	66/83/105	123/188/216	105/118/138	2	46/47/50	45.5/47/48.5	46/47/50	25.5	31.4	46.8	42.8	
154/178/205	117/147/177	95/118/143	202/214/226	117/147/177	95/118/143	220/235/254	117/147/177	2	47.5/49.5/51	46.5/49.5/50.5	47.5/49.5/51	28.2	34.2	49.6	44.8	
194/215/250	158/182/224	113/138/172	227/267/283	158/182/224	113/138/172	264/280/307	158/182/224	2	49.5/50.5/52.5	49/50/51	49.5/50.5/52.5	32.3	39.3	54.8	50.5	
228/257/300	185/195/257	143/161/209	288/302/334	185/195/257	143/161/209	291/332/354	185/195/257	2	51/53.5/54	50/51.5/53	51/53.5/54	36.4	44.4	61.0	60.0	
34/40/40	20/27/31	16/20/27	30/40/53	20/27/31	16/20/27	33/37/59	20/27/31	1	36/38.5/42	34/38/40.5	36/38.5/42	12.0	15.1	26.2	22.7	
43/58/63	26/34/42	22/29/40	37/47/66	26/34/42	22/29/40	40/49/75	26/34/42	1	37/40.5/44	36/39/42.5	37/40.5/44	14.4	18.0	31.9	24.6	
61/71/75	45/55/61	29/38/53	57/62/94	46/55/61	29/38/53	53/64/95	46/55/61	1	40/42.5/46	39/41.5/44.5	40/42.5/46	16.1	20.0	34.8	27.6	
75/83/90	51/63/75	38/48/62	72/108/113	52/63/75	38/48/62	75/107/125	52/63/75	1	42/44.5/47	41.5/43.5/46.5	42/44.5/47	17.5	21.7	34.8	29.3	
94/108/118	61/83/97	52/61/76	89/129/142	61/83/97	52/61/76	98/139/155	61/83/97	1	45/46.5/48	44/45.5/47.5	45/46.5/48	18.8	23.2	37.6	32.0	
121/129/150	75/96/115	62/76/92	134/150/158	75/96/115	62/76/92	148/158/170	75/96/115	1	45.5/48/49	45.5/47.5/48.5	45.5/48/49	21.1	26.3	40.4	42.0	
134/150/170	99/116/136	64/80/102	130/170/195	102/116/136	64/80/102	118/183/213	102/116/136	2	46/47/49.5	45/46.5/48	46/47/49.5	26.3	32.2	48.9	44.2	
152/171/200	115/145/175	93/115/140	199/206/220	115/145/175	93/115/140	217/226/248	115/145/175	2	47.5/49/50.5	46.5/48.5/50	47.5/49/50.5	29.2	35.2	51.8	46.3	
189/210/245	155/180/221	110/135/168	221/261/277	155/180/221	110/135/168	257/273/301	155/180/221	2	48.5/51/53	48.5/50.5/52	48.5/51/53	33.4	40.4	57.4	52.5	
226/252/295	182/193/255	140/157/203	285/296/328	182/193/255	140/157/203	288/326/348	182/193/255	2	50.5/52.5/53.5	50/51/53	50.5/52.5/53.5	37.7	45.7	64.0	63.0	
34/40/40	20/27/31	16/20/27	30/40/53	20/27/31	16/20/27	33/37/59	20/27/31	1	36/39/42	34/38/40.5	36/39/42	12.7	15.8	28.0	24.2	
44/58/66	26/34/42	22/29/40	37/47/66	26/34/42	22/29/40	40/49/75	26/34/42	1	36/40.5/43	36/38.5/42.5	36/40.5/43	15.3	18.9	34.0	26.6	
61/71/75	45/55/61	29/38/53	57/62/94	45/55/61	29/38/53	53/64/95	45/55/61	1	40/43.5/45.5	39.5/41.5/44.5	40/43.5/45.5	17.0	21.0	37.0	29.1	
75/83/93	51/63/74	38/48/62	72/108/113	51/63/74	38/48/62	75/107/125	51/63/74	1	41.5/44.5/47	41.5/43.5/46.5	41.5/44.5/47	18.6	22.8	37.0	31.1	
94/108/118	61/83/97	52/61/76	89/129/142	61/83/97	52/61/76	98/139/155	61/83/97	1	45/47/48.5	44/45.5/47.5	45/47/48.5	20.2	24.7	40.0	34.5	
121/129/150	75/96/115	62/76/92	134/150/158	75/96/115	62/76/92	148/158/170	75/96/115	1	46/48.5/50	45.5/47.5/48.5	46/48.5/50	21.8	26.9	43.0	44.8	
134/150/170	99/116/136	64/80/102	130/170/195	99/116/136	64/80/102	118/183/213	99/116/136	2	46/48/50	45/46.5/48	46/48/50	27.1	33.0	52.0	47.2	
152/171/200	115/145/175	93/115/140	199/206/220	115/145/175	93/115/140	217/226/248	115/145/175	2	48/49.5/51	46.5/48.5/50	48/49.5/51	30.1	36.1	55.0	48.8	
189/210/245	155/180/221	110/135/168	221/261/277	155/180/221	110/135/168	257/273/301	155/180/221	2	50/51/52	48.5/50.5/52	50/51/52	34.5	41.5	61.0	55.5	
226/252/295	182/193/255	140/157/203	285/296/328	182/193/255	140/157/203	288/326/348	182/193/255	2	52/53.5/54	50/51/53	52/53.5/54	39.0	47.0	68.0	66.6	
34/40/40	20/27/31	16/20/27	37/47/66	20/27/31	16/20/27	40/49/75	20/27/31	1	36/39/42	34/38/40.5	36/39/42	12.7	15.8	28.0	24.0	
44/58/66	26/34/42	22/29/40	57/62/94	26/34/42	22/29/40	53/64/95	26/34/42	1	36/40.5/43	36/38.5/42.5	36/40.5/43	15.3	18.9	34.0	27.0	
61/71/75	45/55/61	29/38/53	72/108/113	45/55/61	29/38/53	75/107/125	45/55/61	1	40/43.5/45.5	39.5/41.5/44.5	40/43.5/45.5	17.0	21.0	37.0	29.0	
75/83/93	51/63/74	38/48/62	72/108/117	51/63/74	38/48/62	75/107/129	51/63/74	1	41.5/44.5/47	41.5/43.5/46.5	41.5/44.5/47	18.6	22.8	37.0	31.0	
94/108/118	61/83/97	52/61/76	89/129/142	61/83/97	52/61/76	98/139/155	61/83/97	1	45/47/48.5	44/45.5/47.5	45/47/48.5	20.2	24.7	40.0	35.0	
121/129/150	75/96/115	62/76/92	134/150/158	75/96/115	62/76/92	148/158/170	75/96/115	1	46/48.5/50	45.5/47.5/48.5	46/48.5/50	21.8	26.9	43.0	45.0	
134/150/170	102/116/136	64/80/102	130/170/195	102/116/136	64/80/102	118/183/213	102/116/136	2	46/48/50	45/46.5/48	46/48/50	27.1	33.0	52.0	47.0	
152/171/200	115/145/175	93/115/140	199/206/220	115/145/175	93/115/140	217/226/248	115/145/175	2	48/49.5/51	45.5/48.5/50	48/49.5/51	30.1	36.1	55.0	49.0	
189/210/245	155/180/221	110/135/168	221/261/277	155/180/221	110/135/168	257/273/301	155/180/221	2	50/51/52	48/50.5/52	50/51/52	34.5	41.5	61.0	56.0	
226/252/295	182/193/255	140/157/203	285/296/328	182/193/255	140/157/203	288/326/348	182/193/255	2	52/53.5/54	50/51/53	52/53.5/54	39.0	47.0	68.0	67.0	

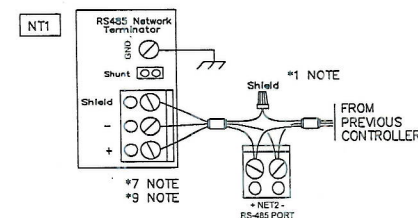
Notes:

1. Rated cooling conditions: air inlet at 27°CDB/19.5°CWB, chilled water inlet/outlet at 7°C/12°C.
2. Rated heating conditions: air inlet at 21°CDB, hot water inlet/outlet at 60°C/50°C.
3. The power input of 230V/50Hz AC motors are the same with that of 220V/50Hz AC motors.
4. The above air flow, total heat / sensible heat, heating capacity are based on the YGFC-H series CC model units.
If FCU with accessories like return plenum etc., performance data will be reduced accordingly.
For the VC models, correction factor for air flow is 0.95, while total heat / sensible heat, heating capacity should be referred to above table.
For the CE/VE models, air flow is the same as the CC model.
5. Left & Right unit can be changed in the field, but cooling and heating capacity should be multiplied with correction factor 0.9~0.95.
6. Inlet/outlet hot water pipe diameter for 4 pipes unit is R_{1/2}.
7. External static pressure type
Concealed units: S for standard static pressure (12Pa), H for high static pressure (30Pa), U for ultra-high static pressure (50Pa).
Exposed units: S for standard static pressure (0Pa).
8. BLDC motor is only for ceiling concealed CC/CB/CD units, which can work at static pressure type S, H or U by switching static pressure setting in field (the default setting is type S). Please generate detail performance from selection software.
9. The above weight is based on AC motor unit. There is additional 3.5kg for BLDC motor unit.
10. The above sound level is for units without accessories, which is tested in semi-anechoic room in accordance with GB/T19232 standard.
11. For X/Y/Z BLDC unit, the allowed power supply is 220~240V, ~50/60Hz.
12. The performance data on above sheet was tested under 220V~50Hz.

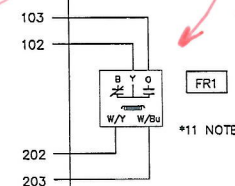
— END-OF-LINE TERMINATION BOARD
(TYPICAL FOR 6)



INPUTS:	POINT DESCRIPTION:
1	DISCHARGE AIR TEMPERATURE
2	
3	
OUTPUTS:	
1	
2	
3	VALVE COMMAND
4	
FAN	FAN SPEED CONTROL



New Relay for Hot Water Valve
RIB-UIC



EXTENSIVE WIRING MODIFICATIONS
ON THIS SHEET, PREVIOUS VERSIONS
ARE OBSOLETE!

- NOTES:
- *1 - SHIELD FOR MS/TP BUS MUST BE KEPT SEPARATED FROM OTHER SHIELDS & SEPARATED FROM GROUND TERMINATIONS.
 - *2 - GROUND CIRCUIT MUST BE A COMPLETE PATH BACK TO BREAKER PANEL.
 - *3 - WIRE FAN SPEED AND COMMON TAPS DIRECTLY TO THE DFC FAN COIL CONTROLLER, BYPASSING THE LOCAL SPEED SWITCH ON THE UNIT.
 - *4 - SEE NETWORK LAYOUT SHEET FOR WIRING AND LABEL DETAILS.
 - *5 - SEE FCU FIELD DEVICES SHEET FOR WIRING TERMINATIONS UNLESS OTHERWISE NOTED.
 - *6 - ALL INPUT WIRING MUST BE KEPT COMPLETELY SEPARATED FROM OUTPUT WIRING INSIDE AND OUTSIDE THIS ENCLOSURE. SEE STANDARD SHEET FOR MORE DETAILS.
 - *7 - NOT ALL PANELS CONTAIN THE TRM-768 END-OF-LINE TERMINATION BOARD. SEE FCU & SYSTEM CONTROLLER SCHEDULE SHEETS FOR DETAILS.
 - *8 - ALL 240 VAC WIRING MUST BE KEPT COMPLETELY SEPARATED FROM ALL OTHER INPUT, OUTPUT, AND NETWORK WIRING.
 - *9 - REMOVE SHUNT JUMPER IF SHIELD IS GROUNDED DIRECTLY AT ANY OTHER POINT, OR SHUNT IS INSTALLED AT OTHER END OF NETWORK.
 - *10 - ALL DEVICES ON THE NETWORK MUST RUN AT THE SAME BAUD RATE.
 - *11 - AT INSTALLATION, FIELD RELAY SHOULD BE LOCATED IN THE BOTTOM-LEFT CORNER OF THE CONTROL PANEL.
 - *12 - TERMINALS L1 THROUGH L12 ARE RESERVED EXCLUSIVELY FOR 240 VAC CONNECTIONS!

- ALL CONTROL DEVICES & WIRING SHALL BE INSTALLED IN ACCORDANCE WITH: MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND INSTALLATION STANDARDS PROVIDED ON THE "INSTALLATION STANDARDS" SHEET.

- THESE DRAWINGS PROVIDE SCHEMATIC REPRESENTATIONS OF EQUIPMENT & FIELD DEVICES BASED ON THE FCU UPGRADES BID PROPOSAL. ACTUAL INSTALLATION OF ALL CONTROL DEVICES IS SUBJECT TO FIELD VERIFICATION. ANY CHANGES THAT MAY RESULT IN A DEVIATION FROM THE GENERAL INTENT OF THE CONTROL SYSTEM DESIGN SHALL BE APPROVED BY THE DESIGNER PRIOR TO INSTALLATION.
- FIELD VERIFICATION OF WIRING TERMINATIONS REQUIRED.

Tag	Part	Qty	Description	Vendor
C1	DFC-322R3-240	110	Fan Coil Controller	DELTA
FR1	RIB-UIC	110	24VAC, SPDT, 10 AMPS	JACKSON CT
NT1	TRM-768	6	BACnet MS/TP Network Terminator	DELTA

FCU CONTROL PANEL



Temperature Control Services
6635 N. STATE ROAD 39
LEBANON, INDIANA 46052
PHONE: 765.481.8510
E-MAIL: NATHAN@TCSBAS.COM

UPDATES	
DATE	REMARKS
9/22/2011	SUBMIT

REVISIONS	
DATE	REMARKS
12/15/11	WIRING UPDA

JOB TITLE: FAN COIL UNIT UPGRADES
LOCATION:
ENGINEER: TEMPERATURE CONTROL SERVICES, LLC.
CONTRACT WITH:
DATE: 9/22/2011
CHK. BY: DRAWN BY: BSS

CONTRACT NO:
J1109001

SHEET
4
JOB NUMBER:
J-1109001



Regional Security Office Tokyo Security Form

Please type or write in legible block letters.

Use number 19 if you need extra space for your detailed answers.

和文・英文両方で明確に書いて下さい。英文に関しては、タイプするか活字体で記入して下さい。

(記入欄が不足した場合には、設問19にそれぞれの番号を付した上、ご記入ください。)

1. Name

氏名

(LAST /苗字) / (First/名前) / (Middle)

2. Alias/Maiden name

別姓・旧姓

3. Date of Birth

生年月日

Year

年

Month

月

Day

日

4. Nationality 国籍

5. Marital Status 婚暦

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Single 独身	Married 婚姻	Widowed 寡婦/夫	Divorced 離婚

6. Place of Birth (City/State) 出生地(都道府県/区市町村)

7. Permanent

Address

本籍地

8. Present Address

現住所

〒

9. TEL :

CELL:

EMAIL:

10. Previous addresses of past 7 years. From present to past. (過去7年間の住所を新しい順に。)

Duration 期間

Address 住所

(例'98年4月～'00年9月

〒107-0051 東京都港区赤坂1-10-5)

PHOTO

11. Last Education (最終学歴)			
DATES	NAME OF SCHOOL	DEPARTMENT, MAJOR	ADDRESS
～			
期間	学校名	学部・学科	住所
～			

12. Employments of past 7 years. From present to past. (過去7年間の職業。新しい順に) (From/ To/ Name of Company / Address, 期間 / 会社名 / 所在地)		
Dates/期間	Name of Company/ 就業先名	Address and Phone Number/ 住所、電話番号
～		
～		
～		
～		
～		
～		
～		

13. Biological Sketch (Parents, Spouse, Children, Siblings, In-Laws) 家族構成(両親、配偶者、子供、兄弟姉妹、義父母)					
Name	Relationship	DOB	Nationality	Occupation (Detailed)	Residence(City,Country)
名前	関係	生年月日	国籍	職業(具体的に)	居住地(町, 国)
	父 (Father)				
	母 (Mother)				

14. Three References residing in Japan: Do not include family or relatives. (日本在住の参考人3名、住所と電話番号。家族及び親戚を除く。)		
Name / 名前	Address / 住所	
勤務先, 就学先名	郵便番号	Telephone/ 電話番号
	〒	
	〒	
	〒	

15. Travel History (List your overseas travel in the last 7 years, start with most recent one.) 渡航歴 (現在から過去 7 年まで遡って記入してください。)				
Country 国名	DATES 期間		Type of Visa ビザ	Purpose 目的
	From	To		

16. Health Conditions 健康状態 (If answer is "YES" please give details under Item #19.)		
"YES" の回答があれば、設問19に詳細を書き込んでください。	YES	NO
Have you now or have you ever had any physical limitations? 過去に身体的制約（ハンディキャップ）を持っていた、もしくは現在持っていますか？	<input type="checkbox"/>	<input type="checkbox"/>
Are you now under a physician's care? 現在、医師にかかっていますか？	<input type="checkbox"/>	<input type="checkbox"/>
Have you ever had a nervous disorder? 神経系疾患を患った事がありますか？	<input type="checkbox"/>	<input type="checkbox"/>
Have you ever had tuberculosis? 結核を患った事がありますか？	<input type="checkbox"/>	<input type="checkbox"/>
Within the past 12 months, have you used intoxicating beverages or drug to excess? 過去 12 ヶ月内で酒類や薬物を過剰に摂取しましたか？	<input type="checkbox"/>	<input type="checkbox"/>
Do you have a drug, narcotic or alcohol addiction? 薬物、麻薬もしくはアルコール依存の症状がありますか？	<input type="checkbox"/>	<input type="checkbox"/>

17. Have you ever been arrested or detained by any police or military authority? If so, name the authority, give the time, place and reason for arrest or detention and the disposition of court action.
警察に逮捕されたことがありますか？あれば警察名、年月日、場所、理由、処分等を記入してください。

18. Draw a map of your residence to the nearest train station using the space below.
最寄りの駅より自宅までの地図を詳細に書いて下さい。

19. Use this space for detailed answers. Number answers to correspond with the questions. Use extra blank pages, if necessary.

空欄を使用し、設問の番号と共に回答の詳細を記入してください。必要であれば空白のページを追加して下さい。

This is to certify that the information provided herein is true to the best of my knowledge.
以上相違ありません。

Signature (署名)

Date (日付)

Contracting Officer
U.S. Embassy, Tokyo
1-10-5 Akasaka
Minato-ku, Tokyo 107-8420

Place []
Date []

Letter of Guaranty No. _____

The Undersigned, acting as the duly authorized representative of the bank, declares that the bank hereby guarantees to make payment to the Contracting Officer by check made payable to the Treasurer of the United States, immediately upon notice, after receipt of a simple written request from the Contracting Officer, immediately and entirely without any need for the Contracting Officer to protest or take any legal action or obtain the prior consent of the Contractor to show any other proof, action, or decision by an other authority, up to the sum of ***[amount equal to 50% of the contract price in U.S. dollars during the period ending with the date of final acceptance and 10% of the contract price during contract guaranty period]***, which represents the deposit required of the Contractor to guarantee fulfillment of his obligations for the satisfactory, complete, and timely performance of the said contract ***[contract number]*** for ***[description of work]*** at ***[location of work]*** in strict compliance with the terms, conditions and specifications of said contract, entered into between the Government and ***[name of contractor]*** of ***[address of contractor]*** on ***[contract date]***, plus legal charges of 10% per annum on the amount called due, calculated on the sixth day following receipt of the Contracting Officer's written request until the date of payment.

The undersigned agrees and consents that said contract may be modified by Change Order or Supplemental Agreement affecting the validity of the guaranty provided, however, that the amount of this guaranty shall remain unchanged.

The undersigned agrees and consents that the Contracting Officer may make repeated partial demands on the guaranty up to the total amount of this guaranty, and the bank will promptly honor each individual demand.

This letter of guaranty shall remain in effect until 3 months after completion of the guaranty period of Contract requirement.

Depository Institution: [name]
 Address: _____
 Representatives: _____ Location: _____
 _____ State of Inc.: _____
 _____ Corporate Seal: _____

Certificate of Authority is attached evidencing authority of the signer to bind the bank to this document.